

NOVASTACK® 35-HDH

결합 높이 1.5 mm, 0.35 mm 피치, 풀 실드,
고속전송 대응 40 Gbps (≒ 20 GHz)/lane

Product Specifications:

Board Pitch (mm)		0.35
Wiping Length (mm)		0.33
Mated Size (mm)	Height	1.5 +/- 0.10
	Width	3.3+(0.35*?p/2)
	Depth	3.64
Current Rating	Signal	0.5A/pin (12.0A Max. (Total))
	Power	-
Pin Counts	Range	10 - 70
	Available	60, 70

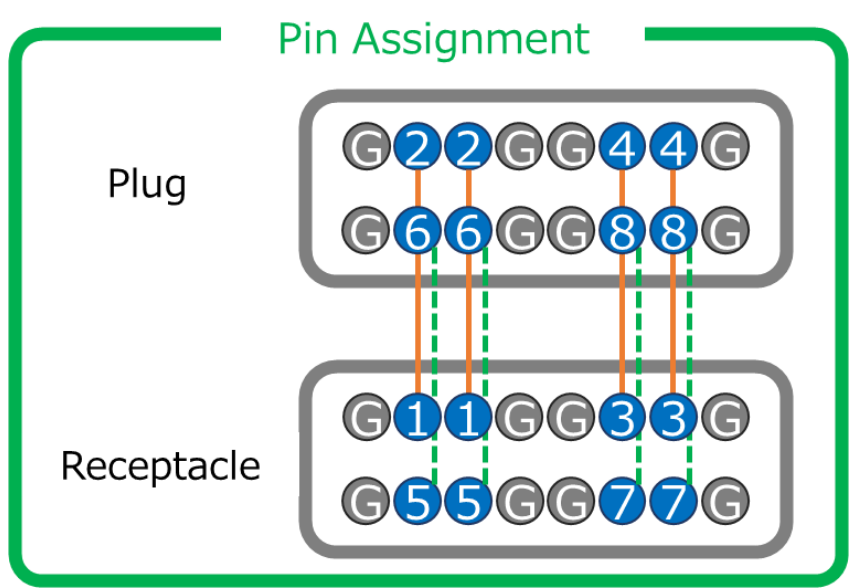
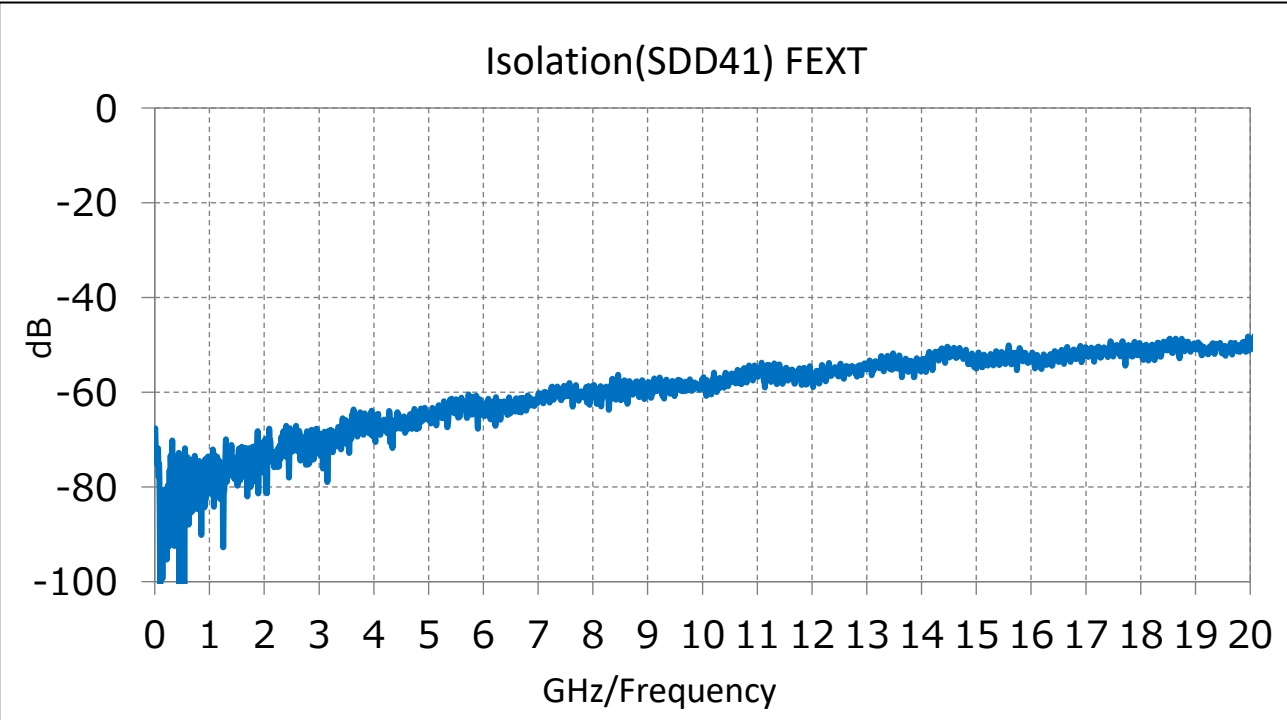
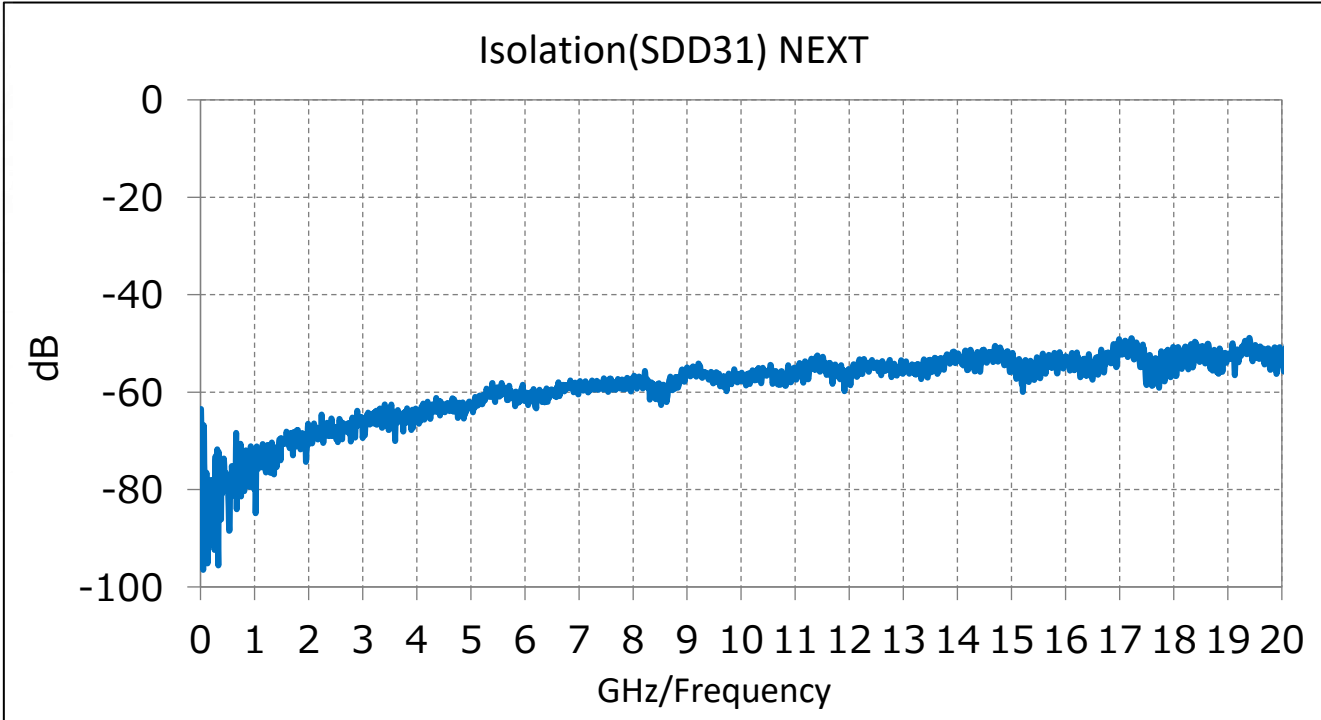
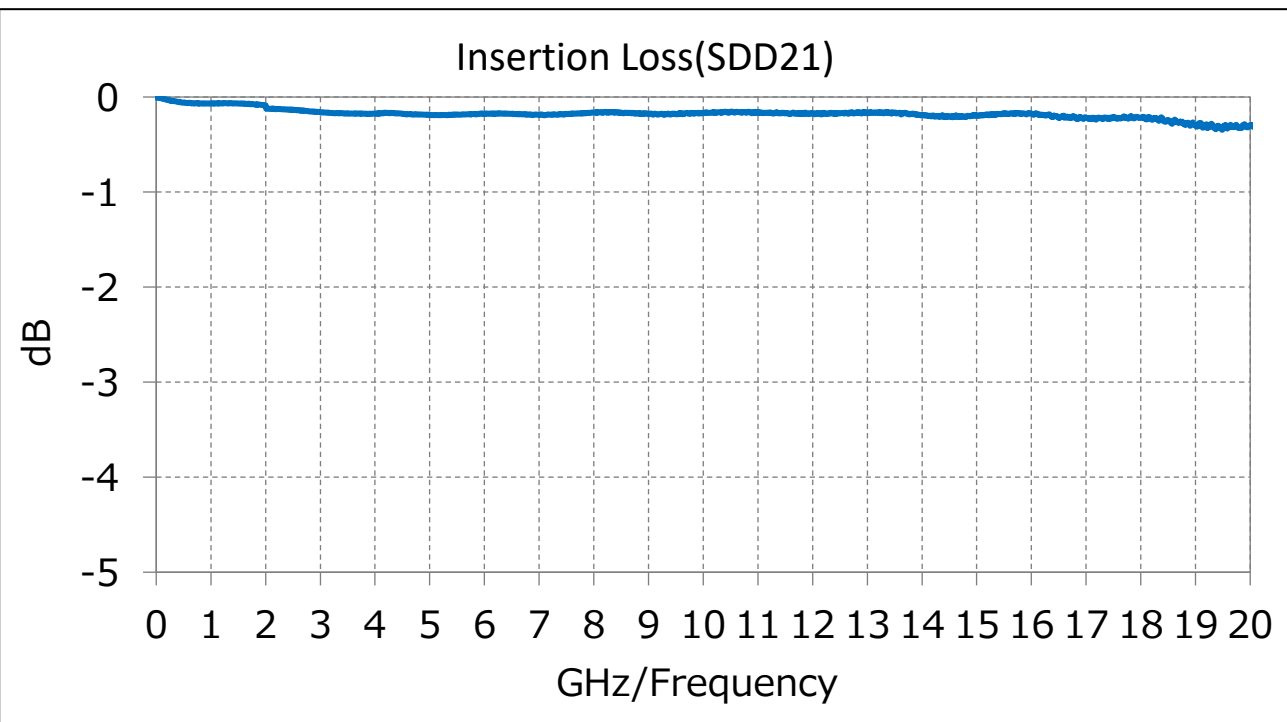
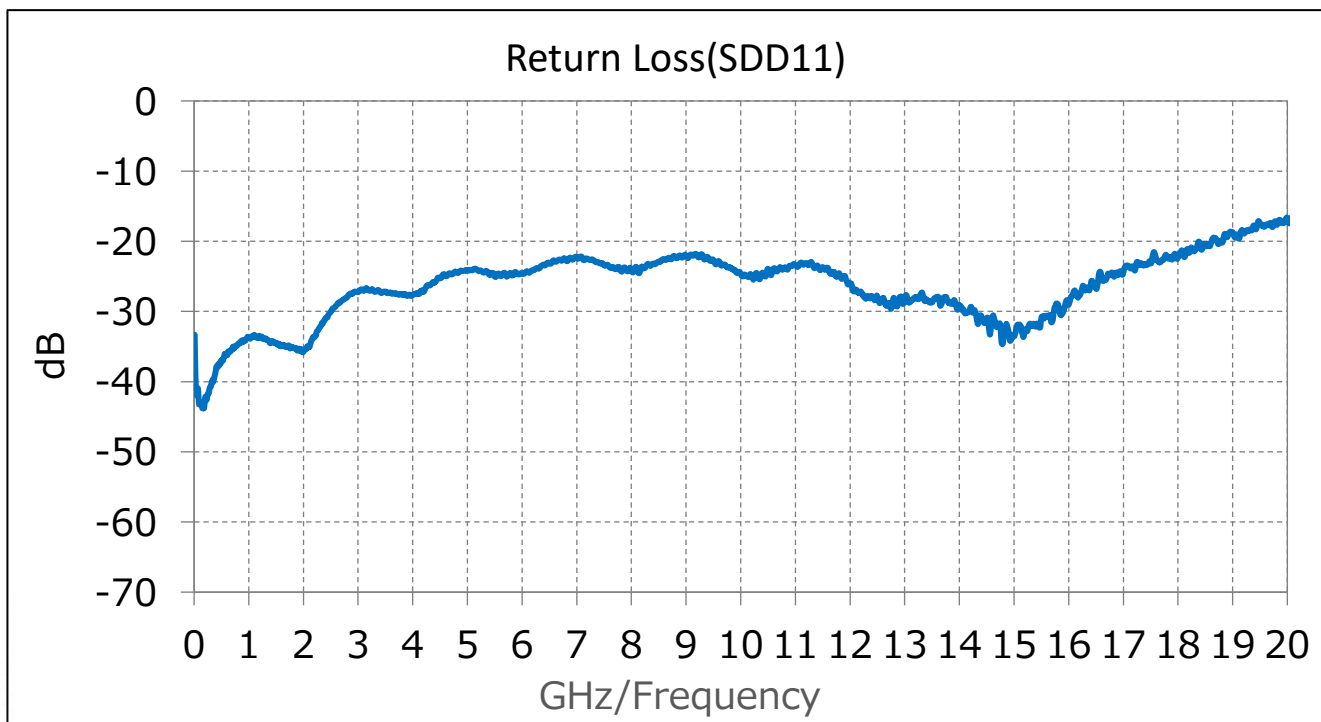
Applicable Standards (Reference Only):

USB4 (20 Gbps/lane); USB 3.1 Gen 2 (10 Gbps); eDP HBR 3 (8.1 Gbps); eDP HBR 2 (5.4 Gbps); HDMI 2.0 (6 Gbps); V-By-One HS 1.4 (4 Gbps); MiPi standards

*기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의 부탁드립니다.

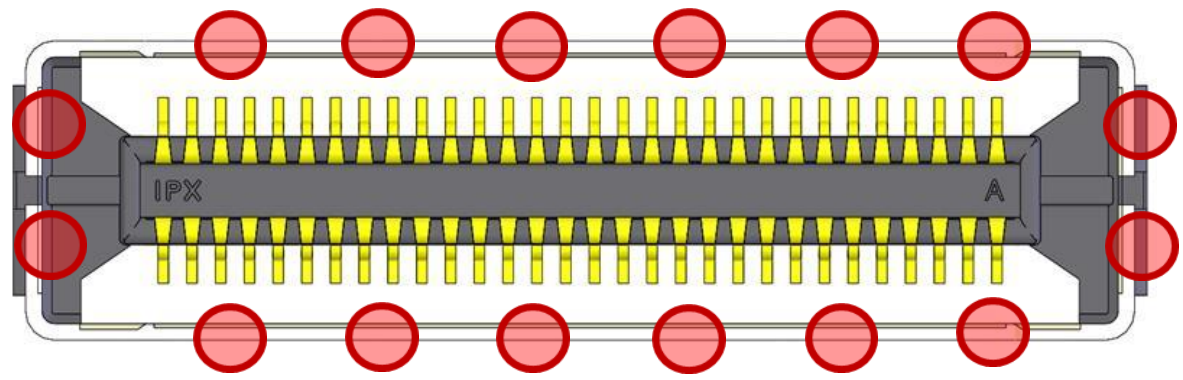
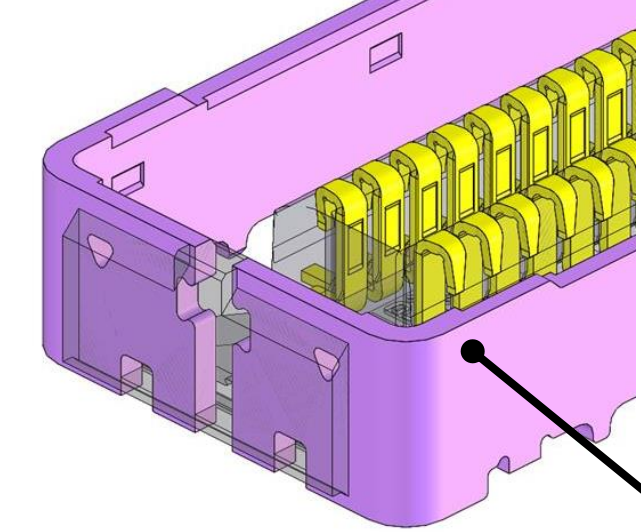


▶ 40 Gbps (≒ 20 GHz)/lane의 전송이 가능하여 최신의 고속 신호에 최적화

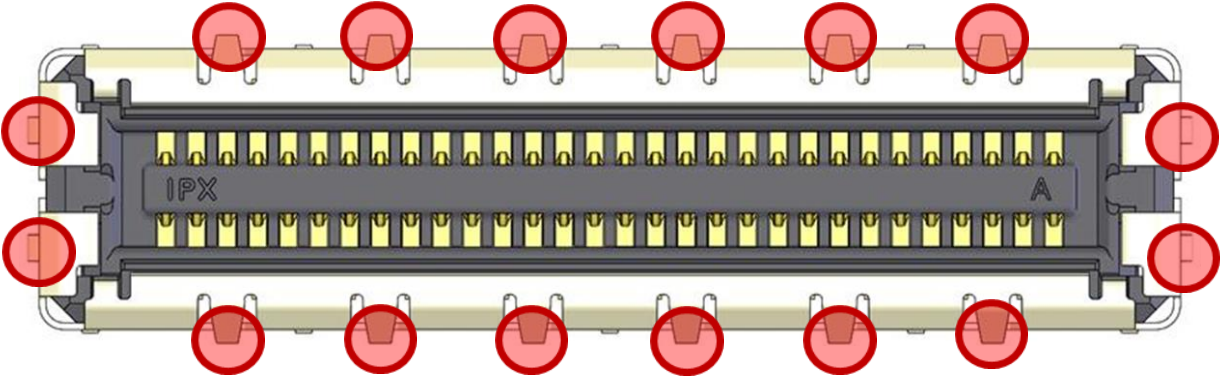
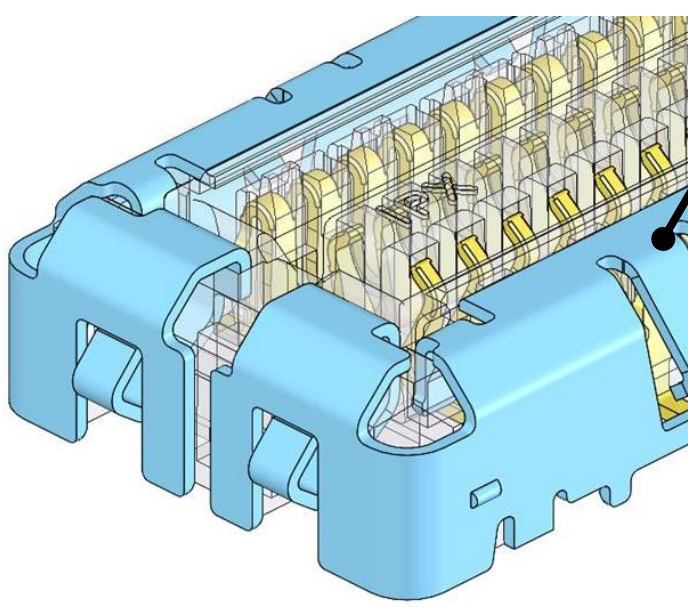


▶ 복수의 그라운드 접점에 의한 ZenShield® 풀 실드로 EMC 대응

PLUG

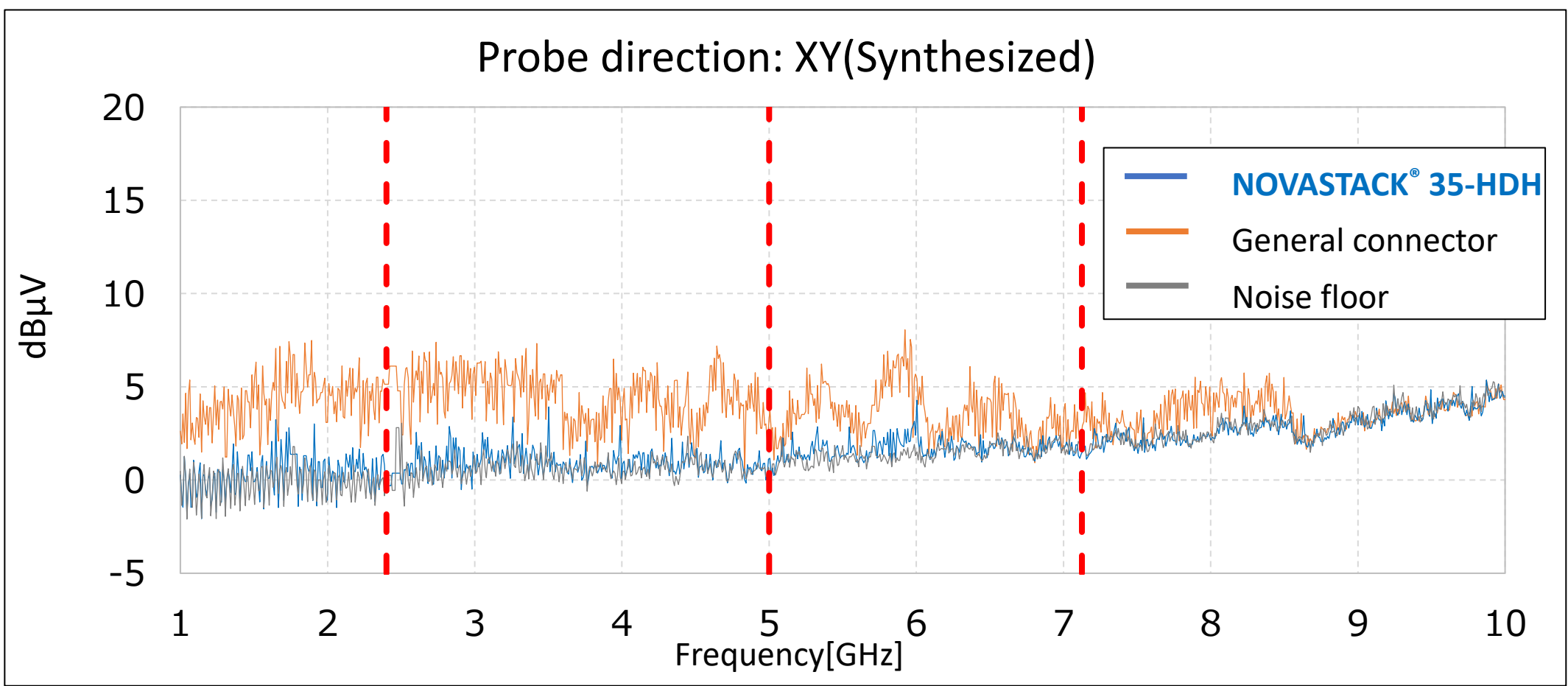
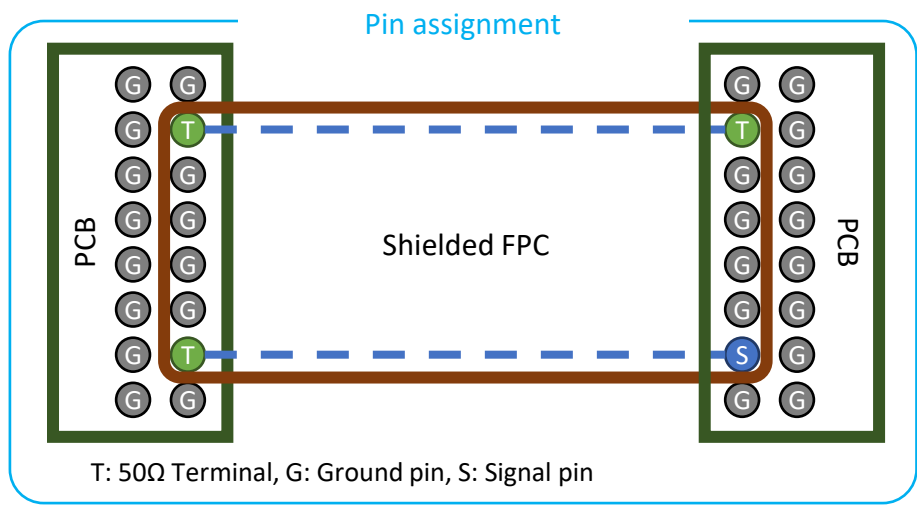
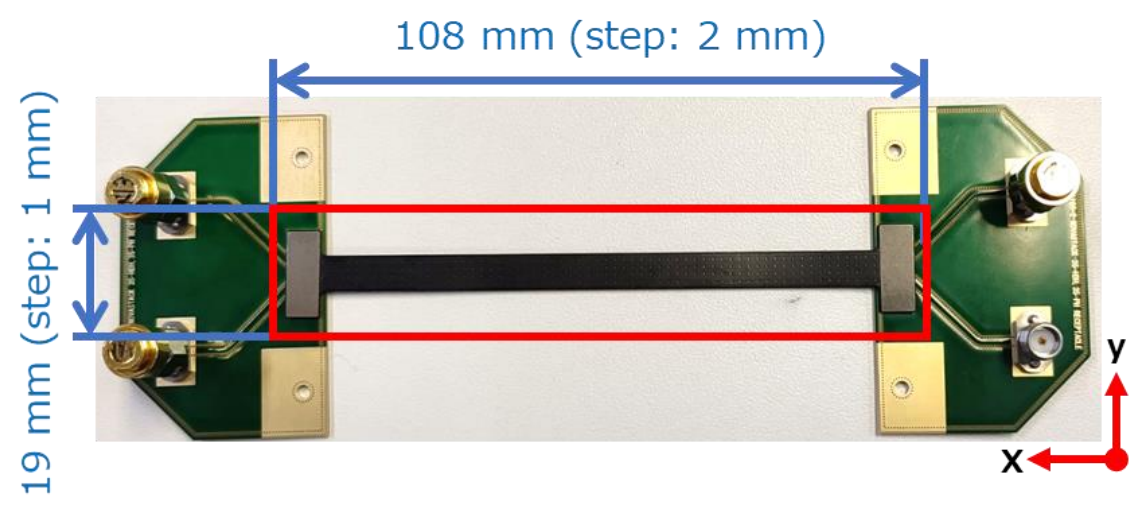


RECEPTACLE



Metal shell

● : Ground 접점 부위

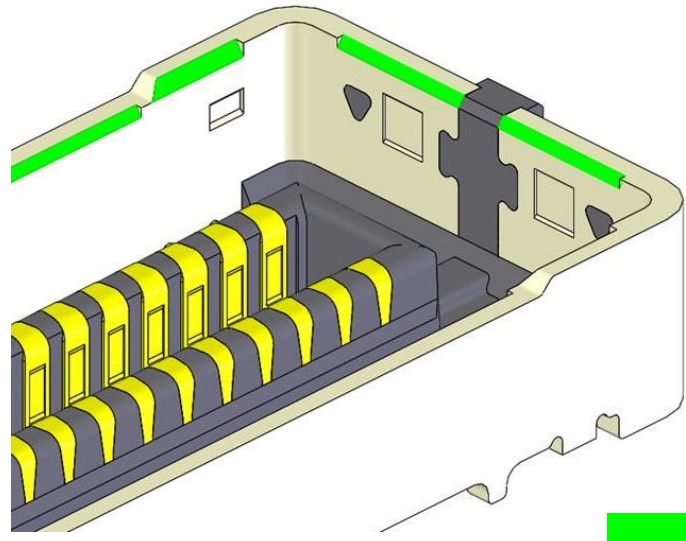


EMI measurement result

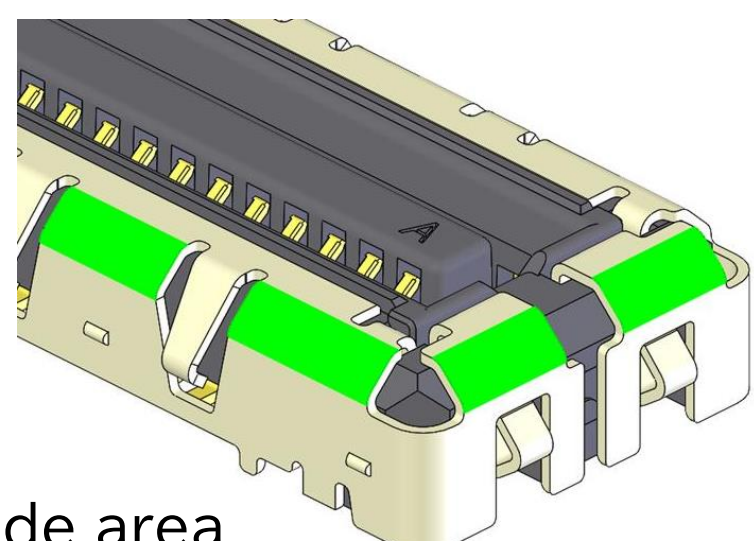
▶ 결합 작업성이 뛰어난 설계의 고배 커넥터

콘택트 피치 이상의 가이드량으로 적정한 결합 위치로 유도

PLUG

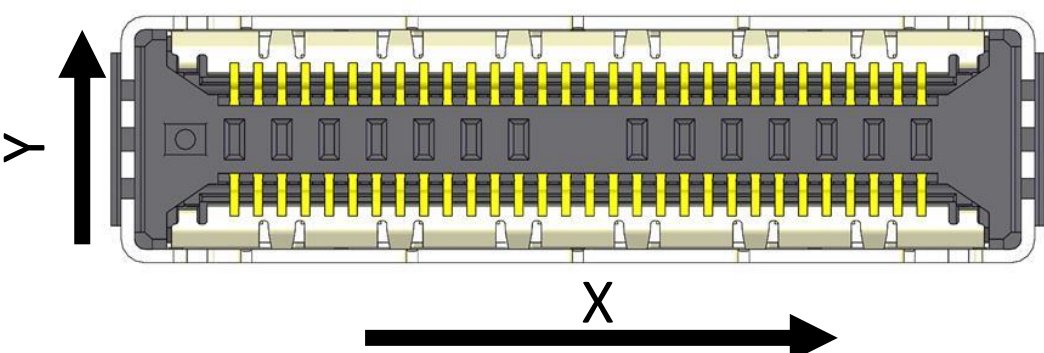


RECEPTACLE



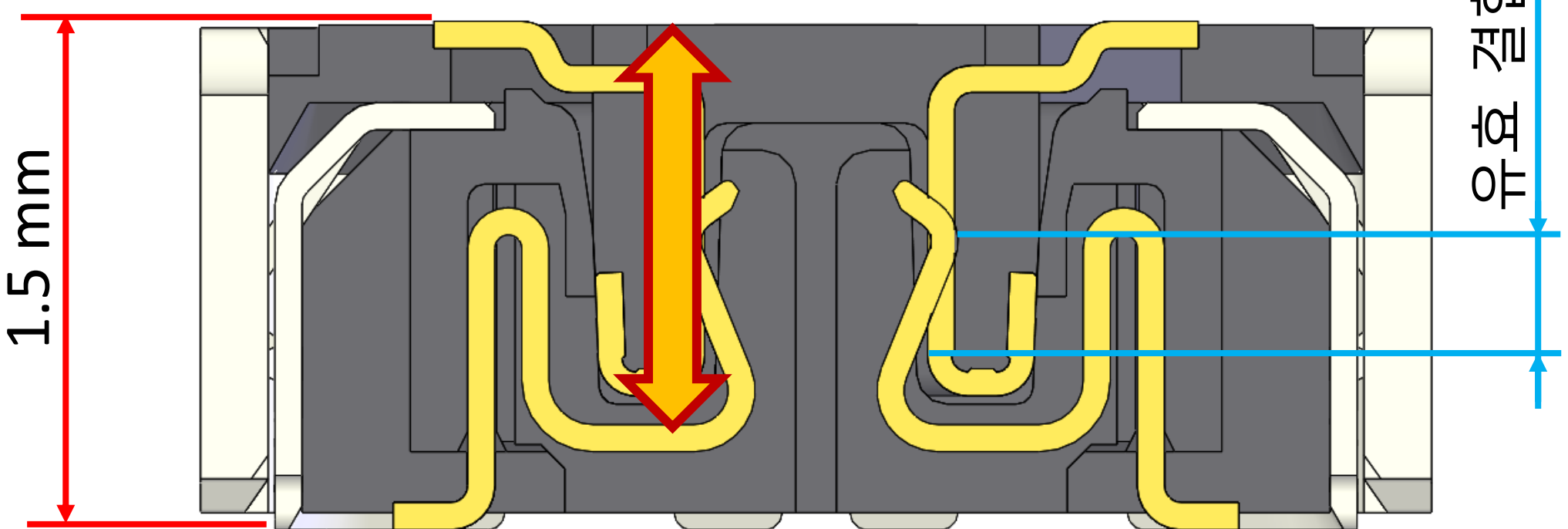
Mating guide area
Unit: mm

Direction	Guide amount
X	0.375
Y	0.390



넓은 유효 결합 길이를 가져, 결합 시의
한쪽으로 치우쳐진 결합 문제 등에도 유리

결합 깊이

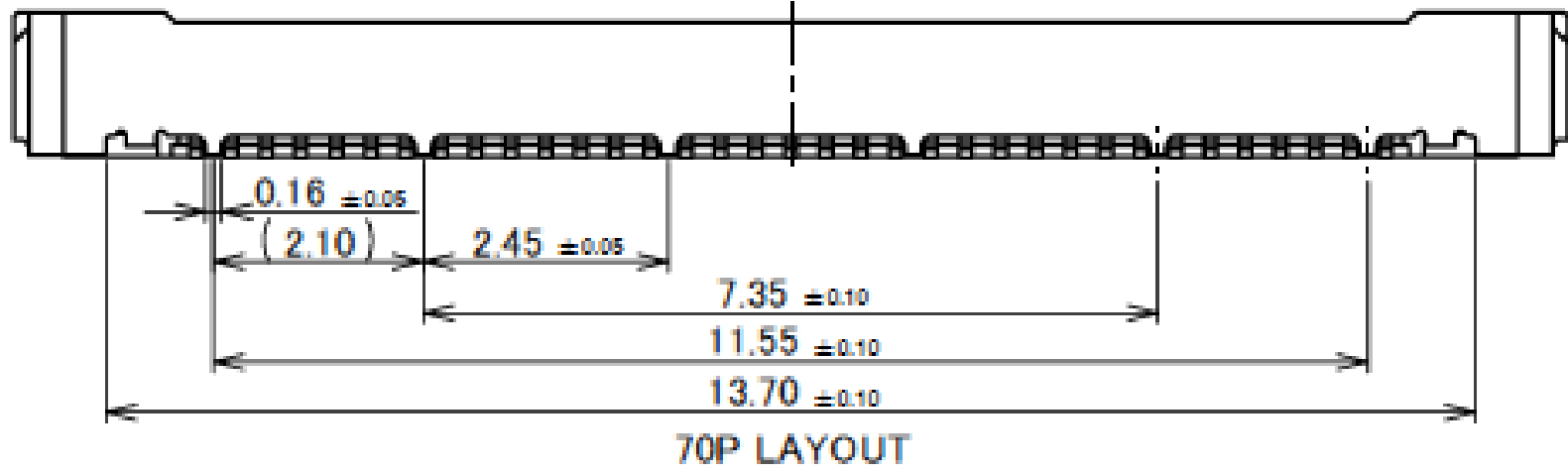
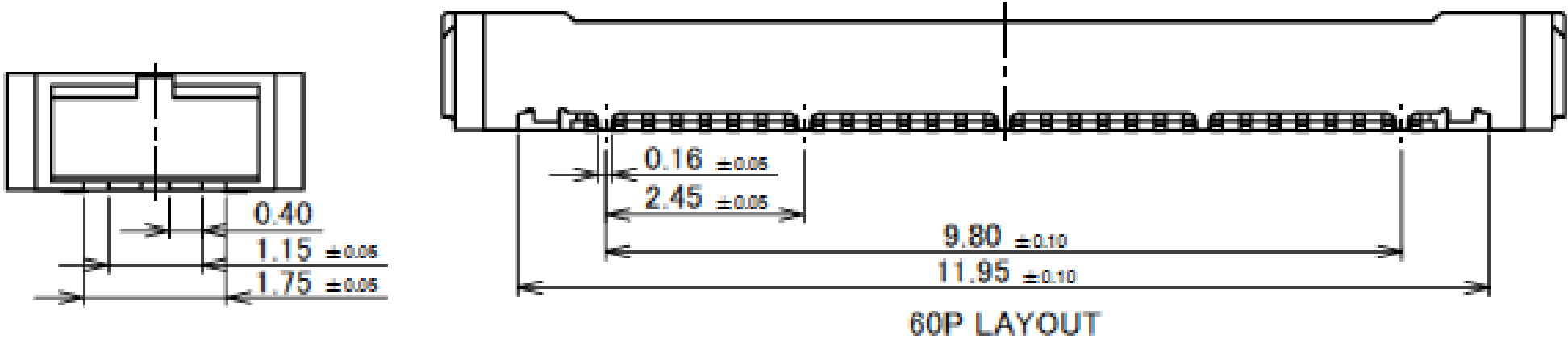
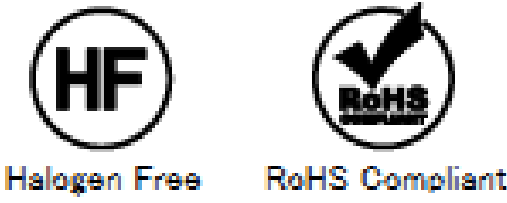
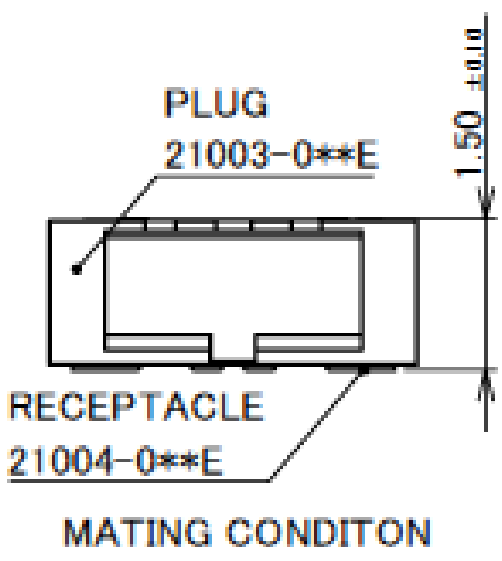
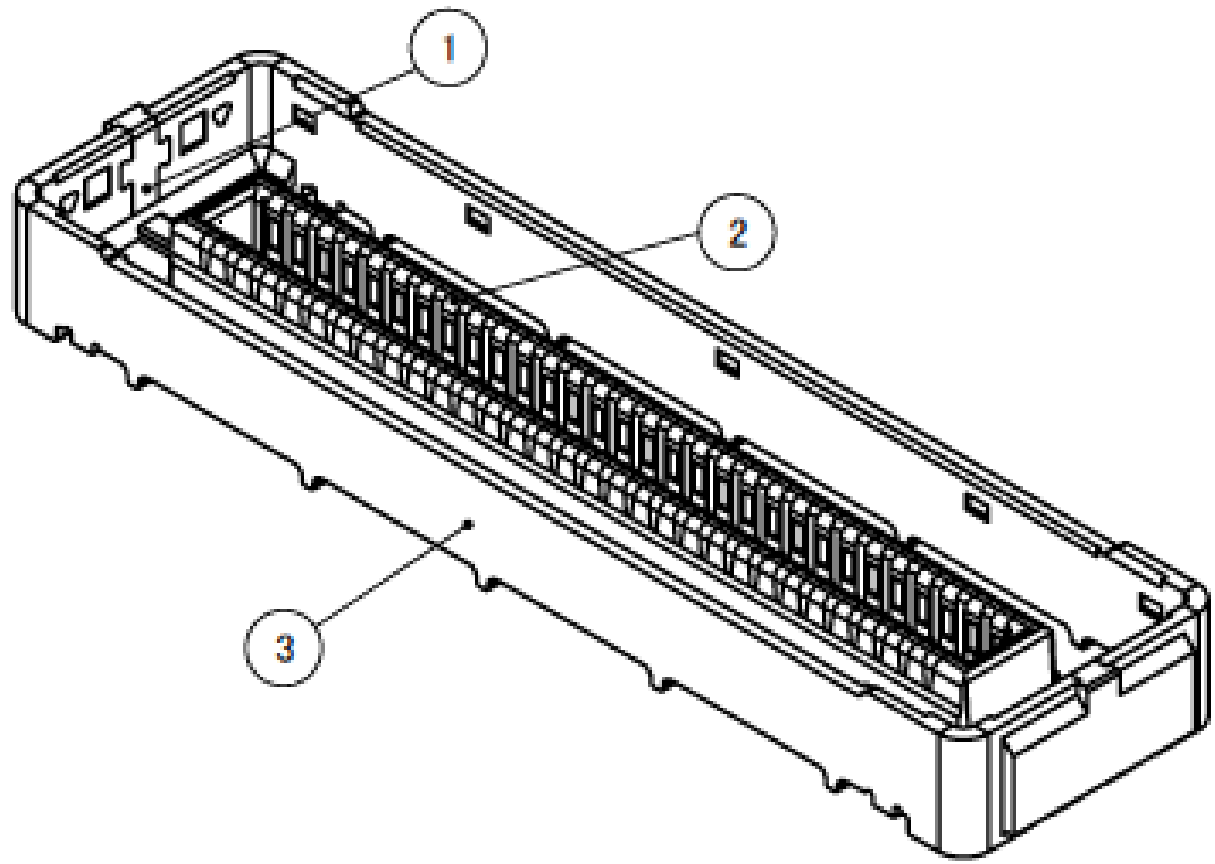
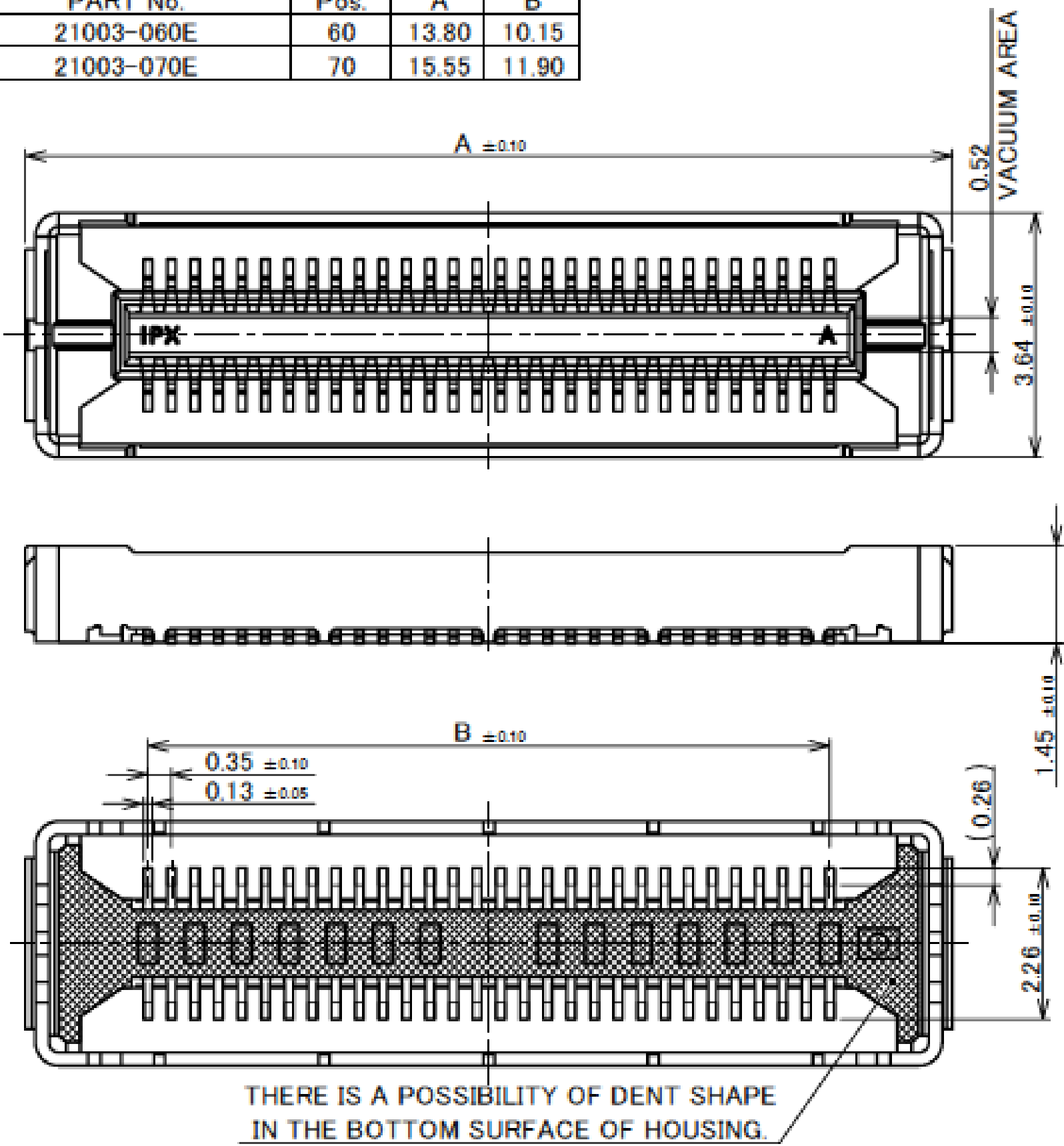


유효 결합 길이: 0.33 mm

Component Parts Detail

Plug Assembly

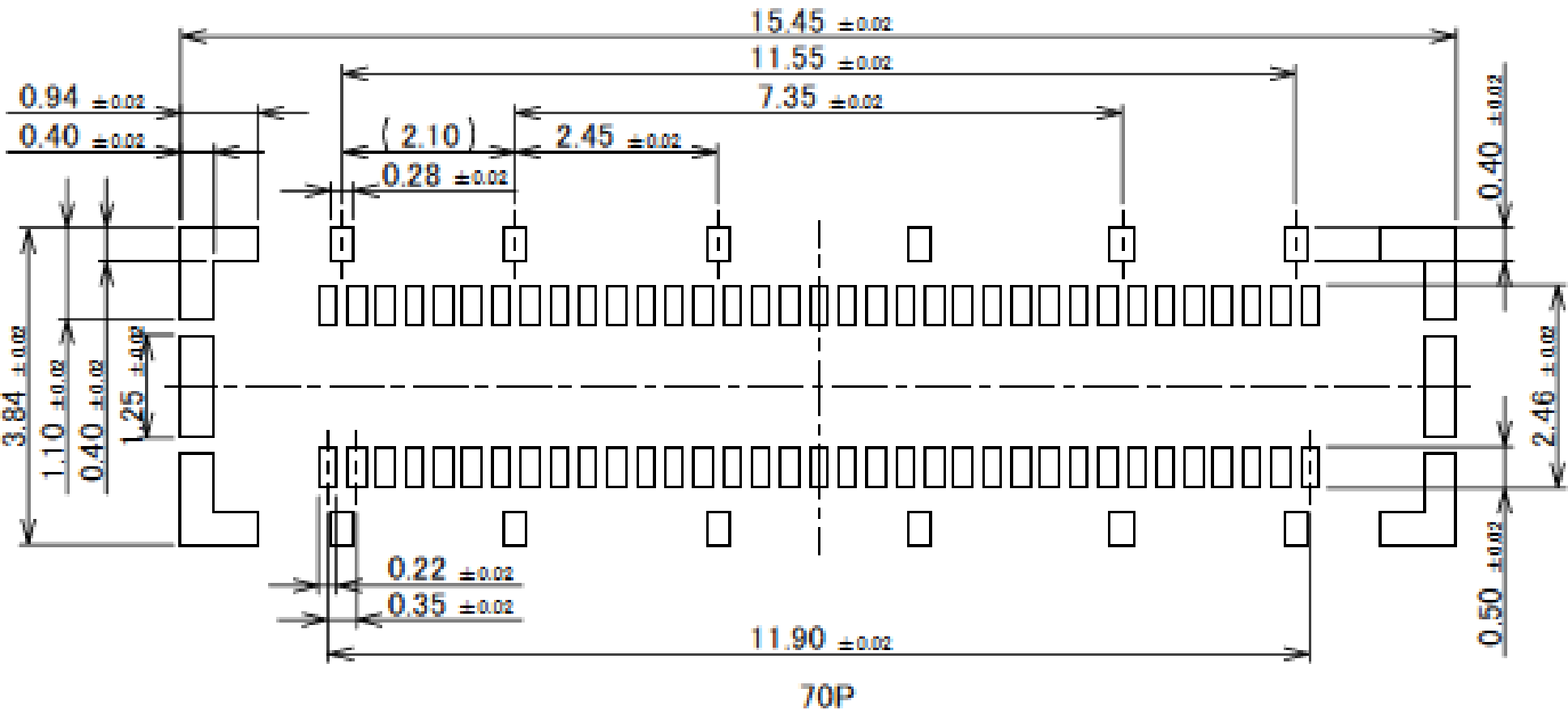
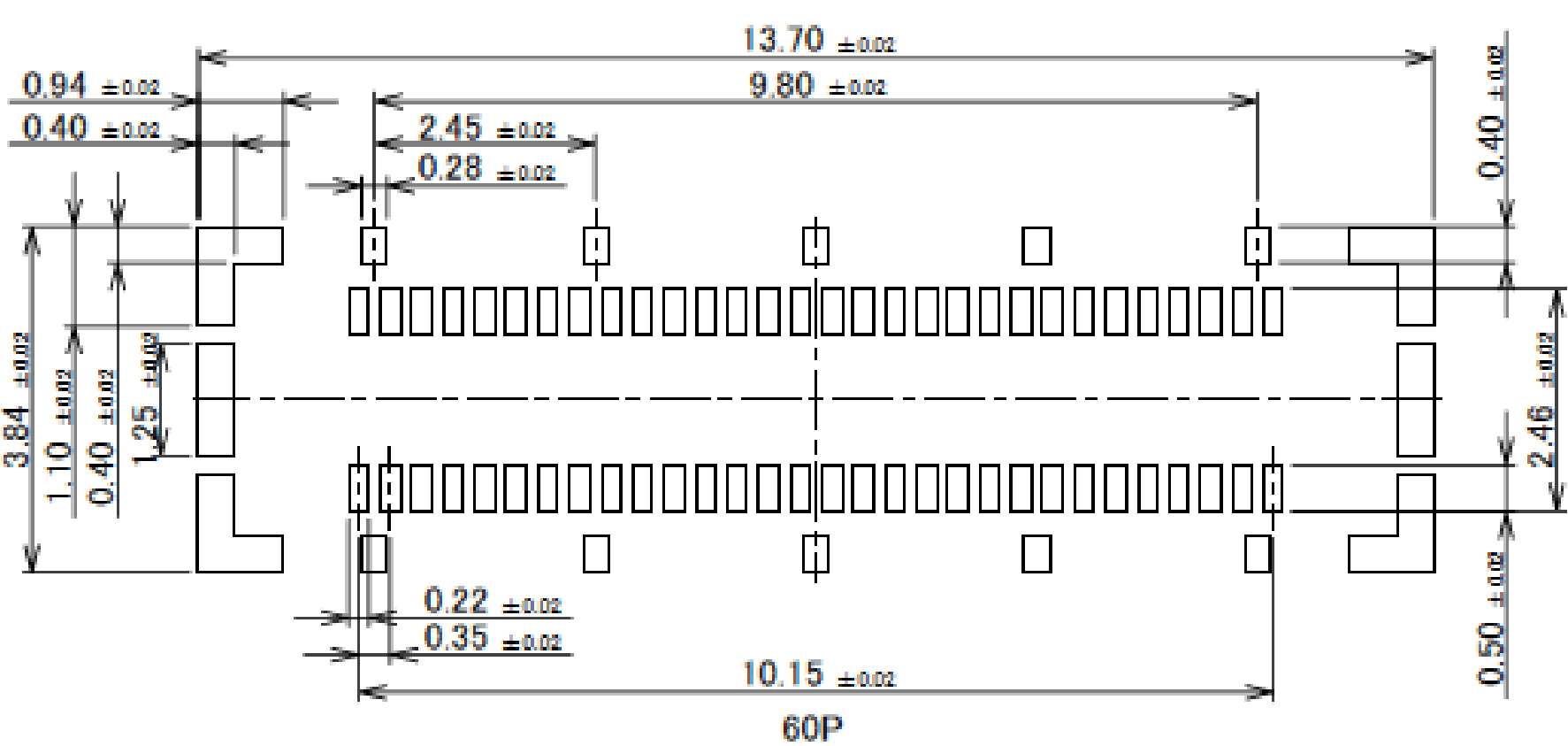
Recommended P/N		21003-0**E		
PART No.	Pos.	A	B	
21003-060E	60	13.80	10.15	
21003-070E	70	15.55	11.90	



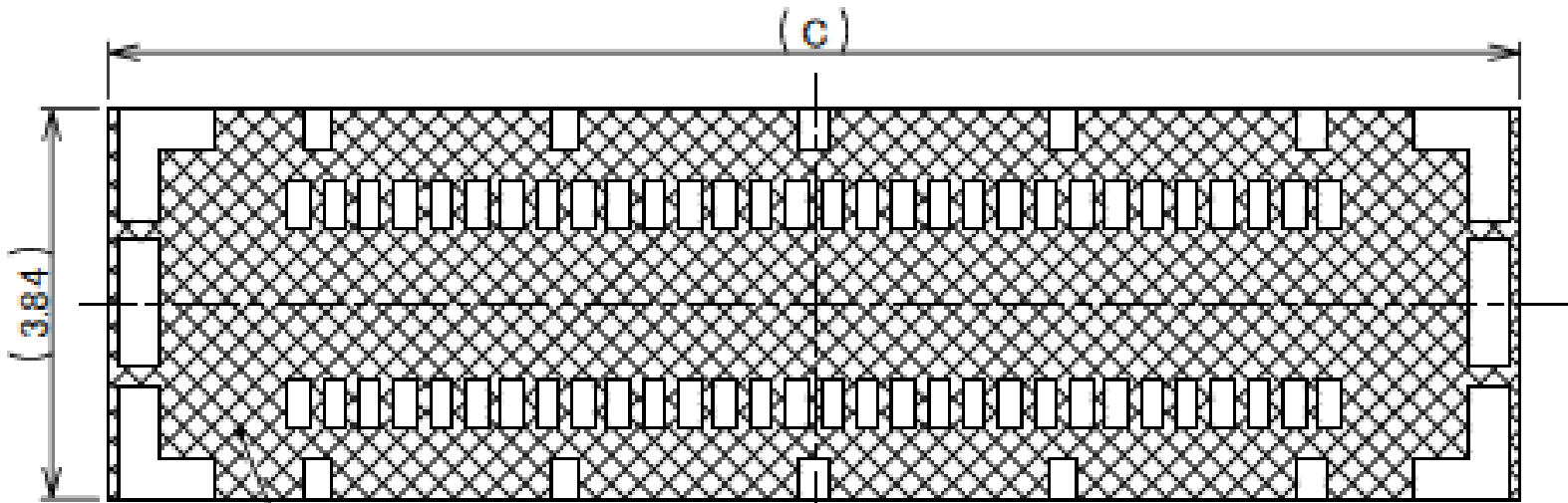
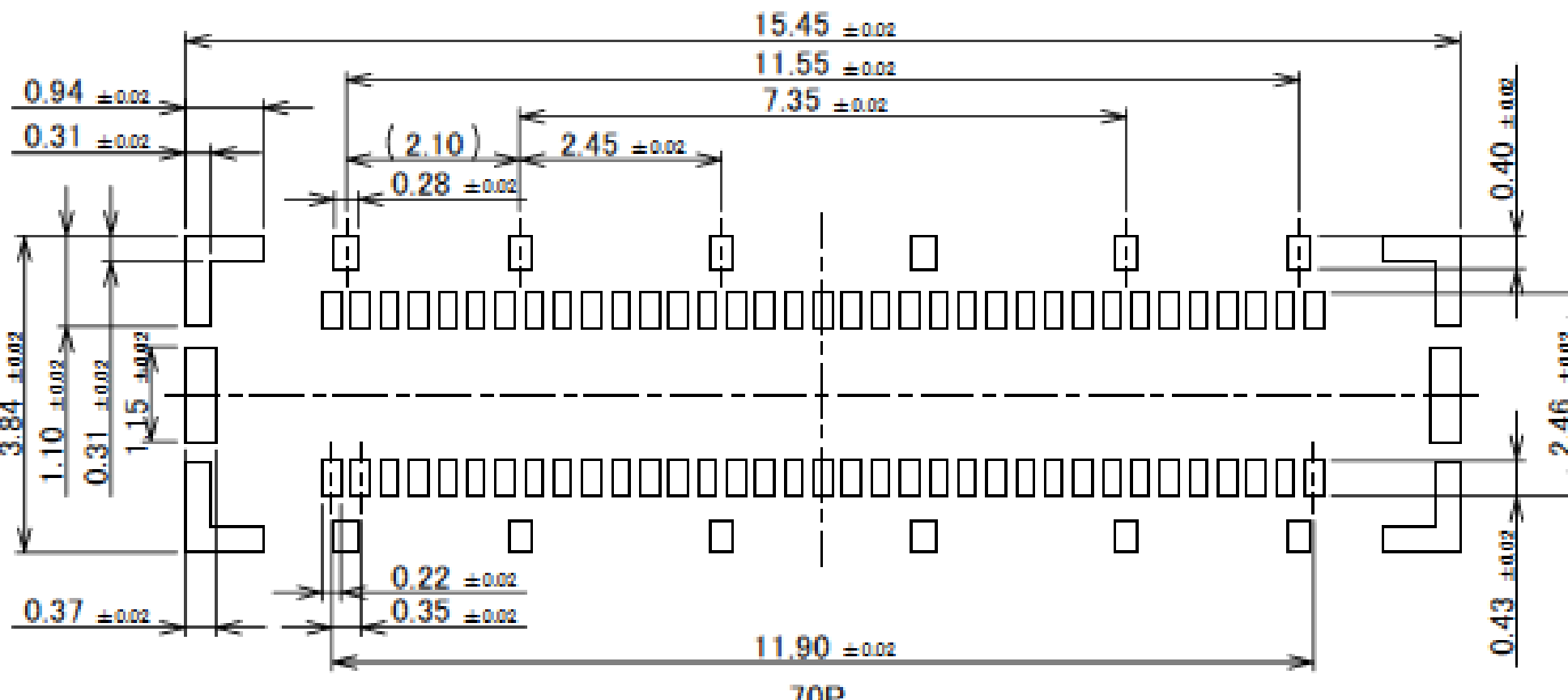
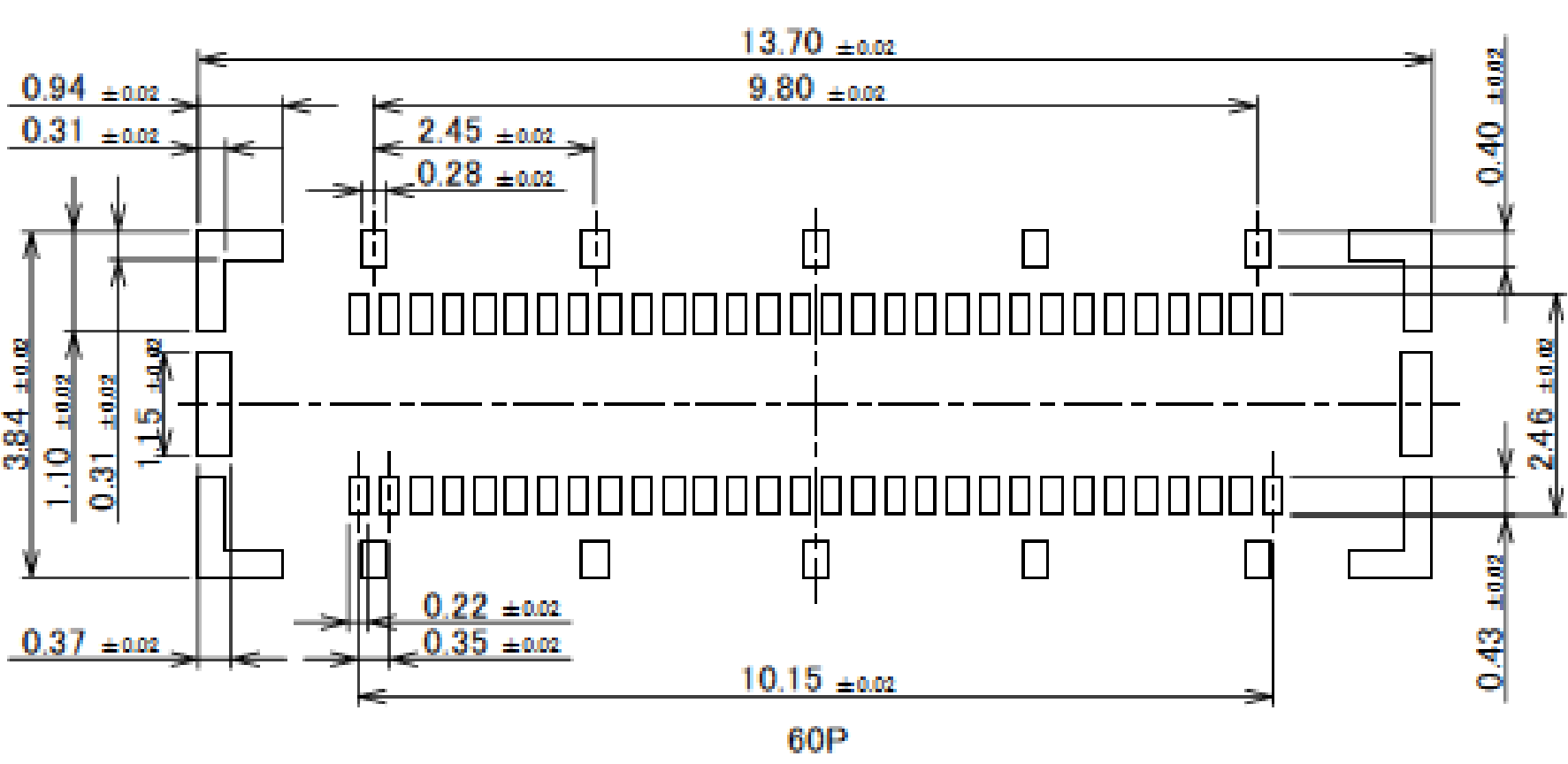
3	SHELL	CORSON ALLOY	ALL Au $0.01 \mu\text{m}$ MIN. OVER Ni $1.27 \mu\text{m}$ MIN.
2	CONTACT	CORSON ALLOY	CONTACT AREA: Au $0.13 \mu\text{m}$ MIN. OVER Ni $1.27 \mu\text{m}$ MIN. SOLDERING AREA: Au $0.02 \mu\text{m}$ MIN. OVER Ni $1.27 \mu\text{m}$ MIN.
1	HOUSING	LCP	UL94V-0 BLACK
NO	DESCRIPTION	MATERIAL	FINISH , REMARKS

Plug Assembly

RECOMMENDED PATTERN LAYOUT



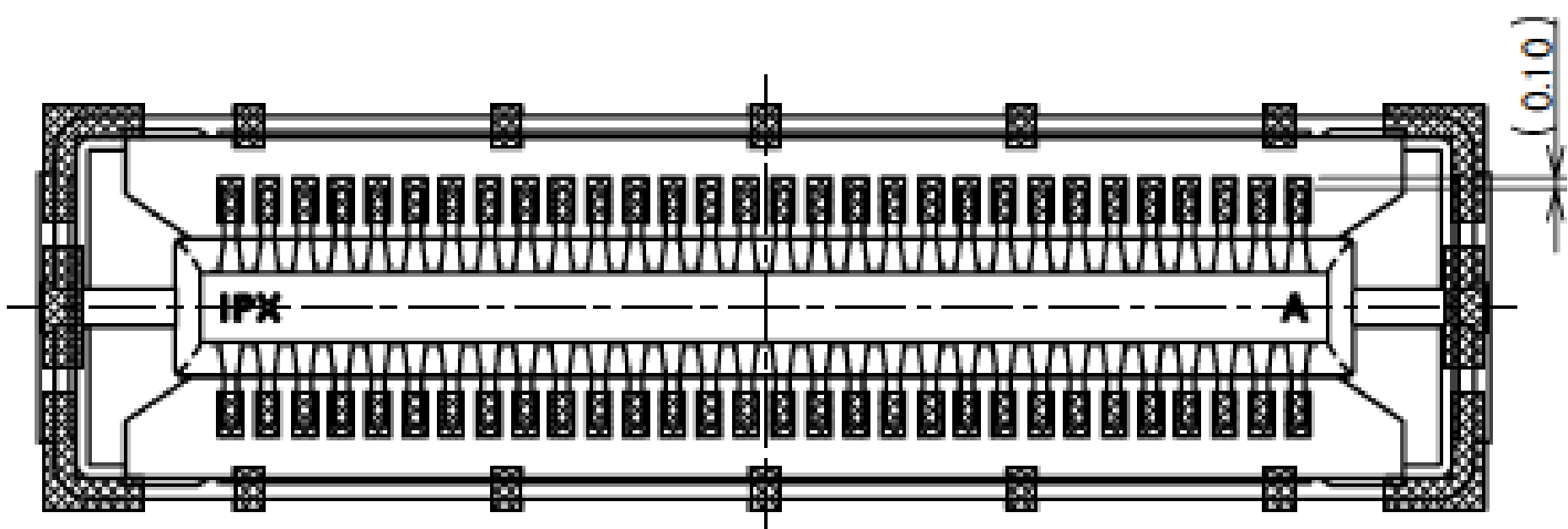
RECOMMENDED METAL MASK LAYOUT (t=0.10)



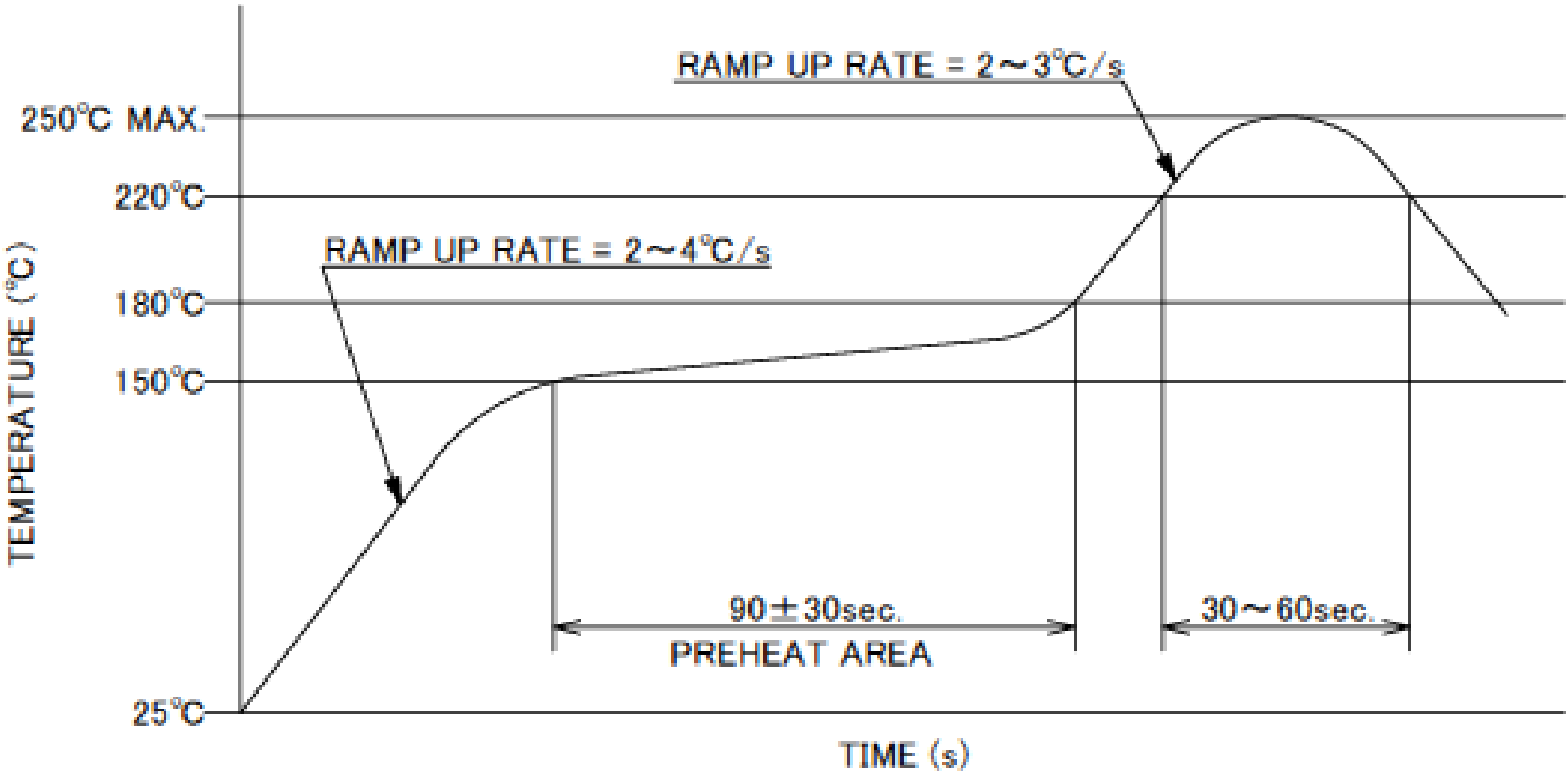
DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA

PART No.	Pos.	C
21003-060E	60	13.90
21003-070E	70	15.65

Rev.3



CONNECTOR ON RECOMMENDED FOOT PRINT PATTERN LAYOUT



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

Rev.3

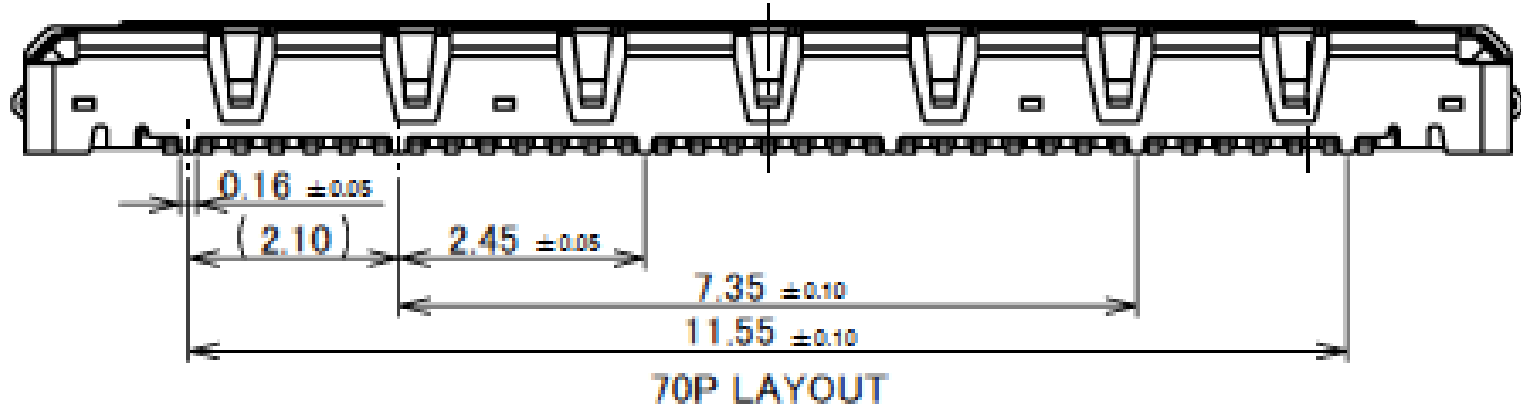
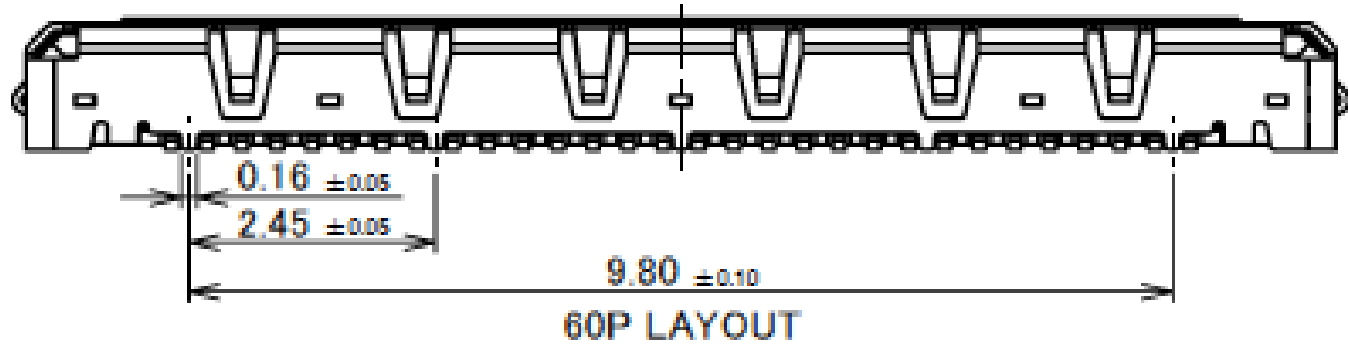
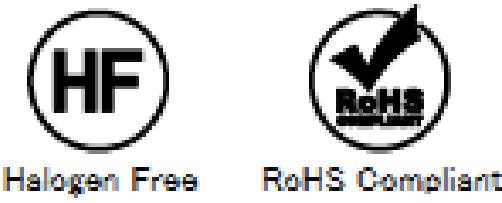
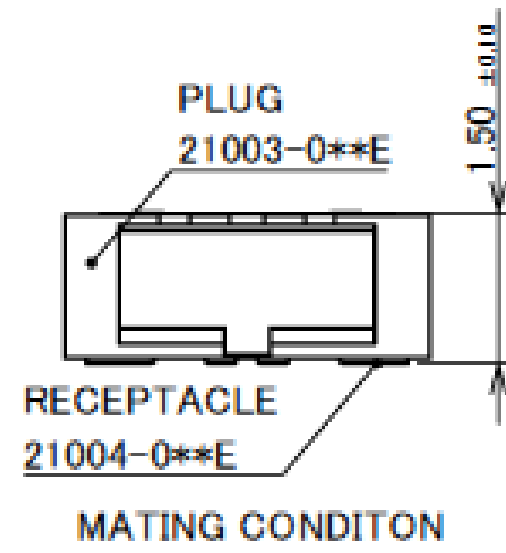
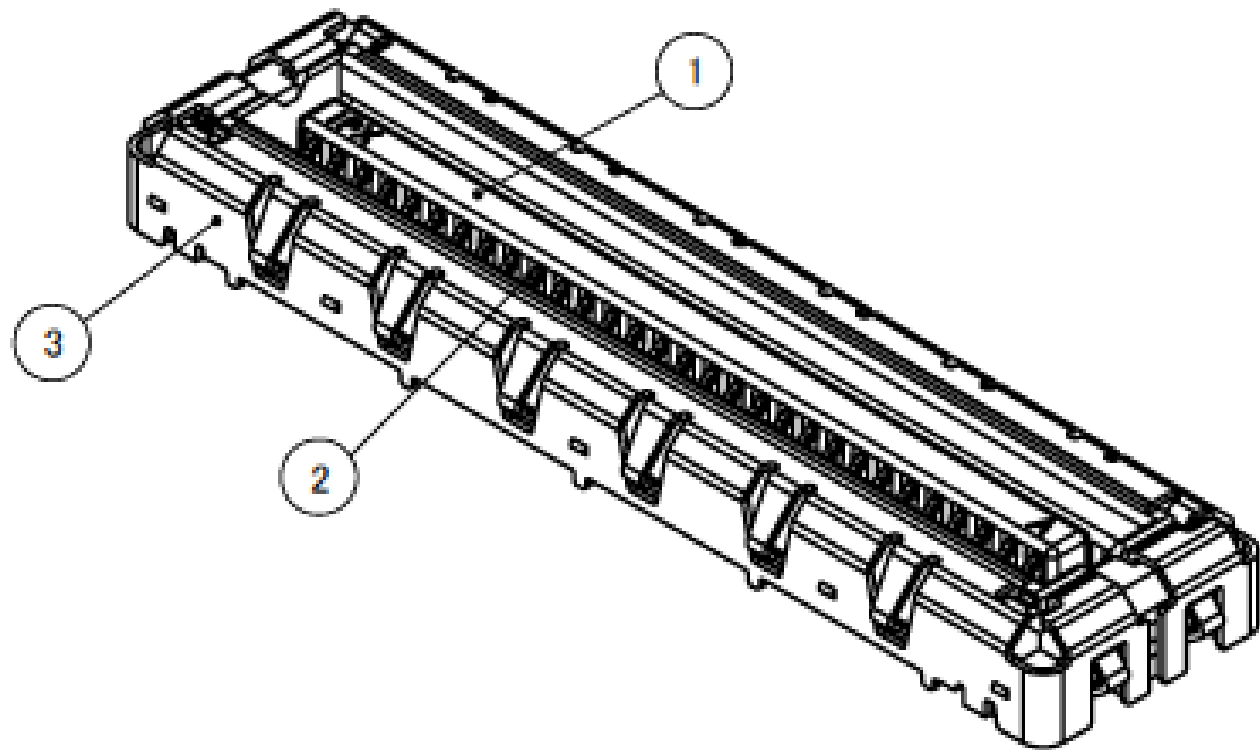
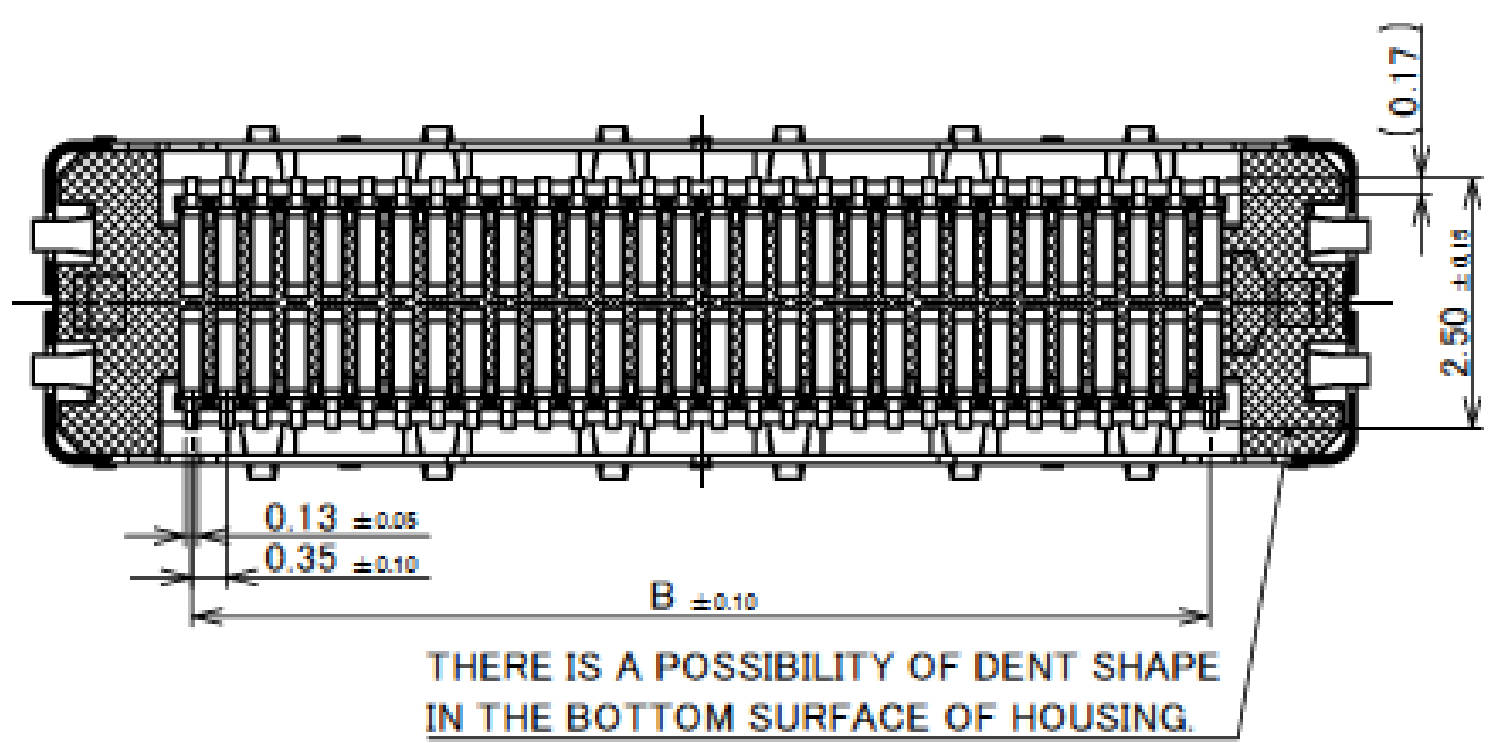
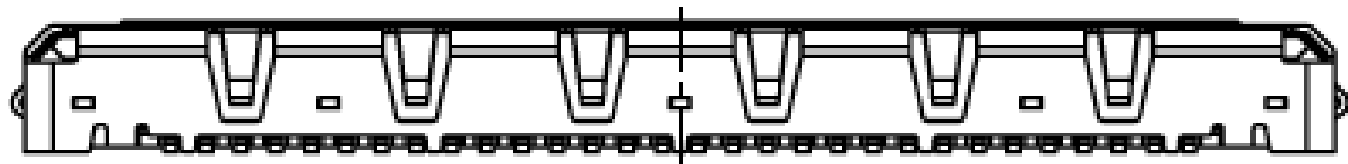
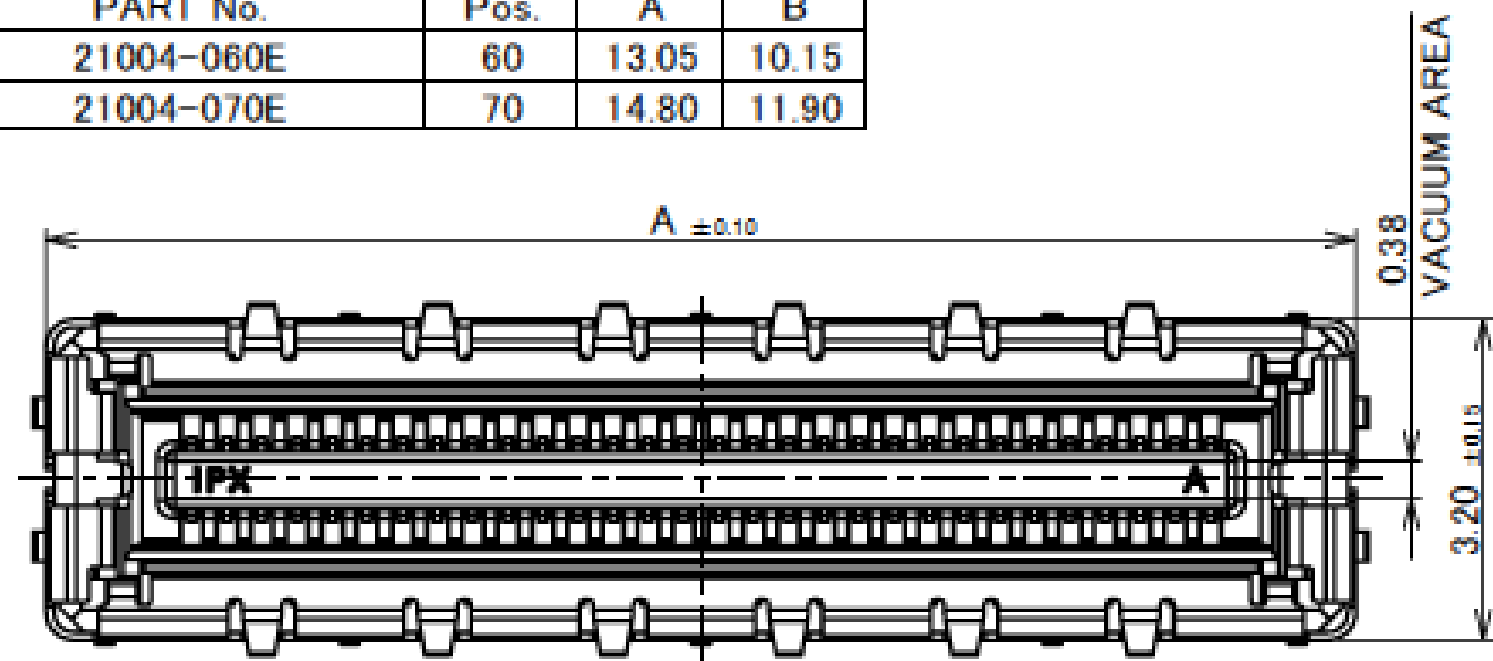
Plug Assembly

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	21004-0**E
RATING VOLTAGE	60V AC (R.M.S.)/DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.5A AC/DC (PER CONTACT PIN)/ 12.0A AC/DC(TOTAL)
OPERATING TEMPERATURE	233~358K(-40℃~+85℃) (CONTANING TEMPERATURE RISE BY CURRENT)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 50mohm MAX. / AFTER TEST : $\triangle$ 50mohm MAX.
CONTACT RESISTANCE (FOR GROUND)	INITIAL : 20mohm MAX. / AFTER TEST : $\triangle$ 20mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	INITIAL 60P: 60N MAX. 70P: 70N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	20 CYCLES 60P: 6.0N MIN. 70P: 7.0N MIN.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-2785
TEST REPORT	TR-22021
PACKING STANDARD	PST-21086
INSTRUCTION MANUAL	HIM-21015
APPEARANCE CRITERIA No.	QLS-A***

Rev.3

Receptacle Assembly

Recommended P/N	21004-0**E		
PART No.	Pos.	A	B
21004-060E	60	13.05	10.15
21004-070E	70	14.80	11.90

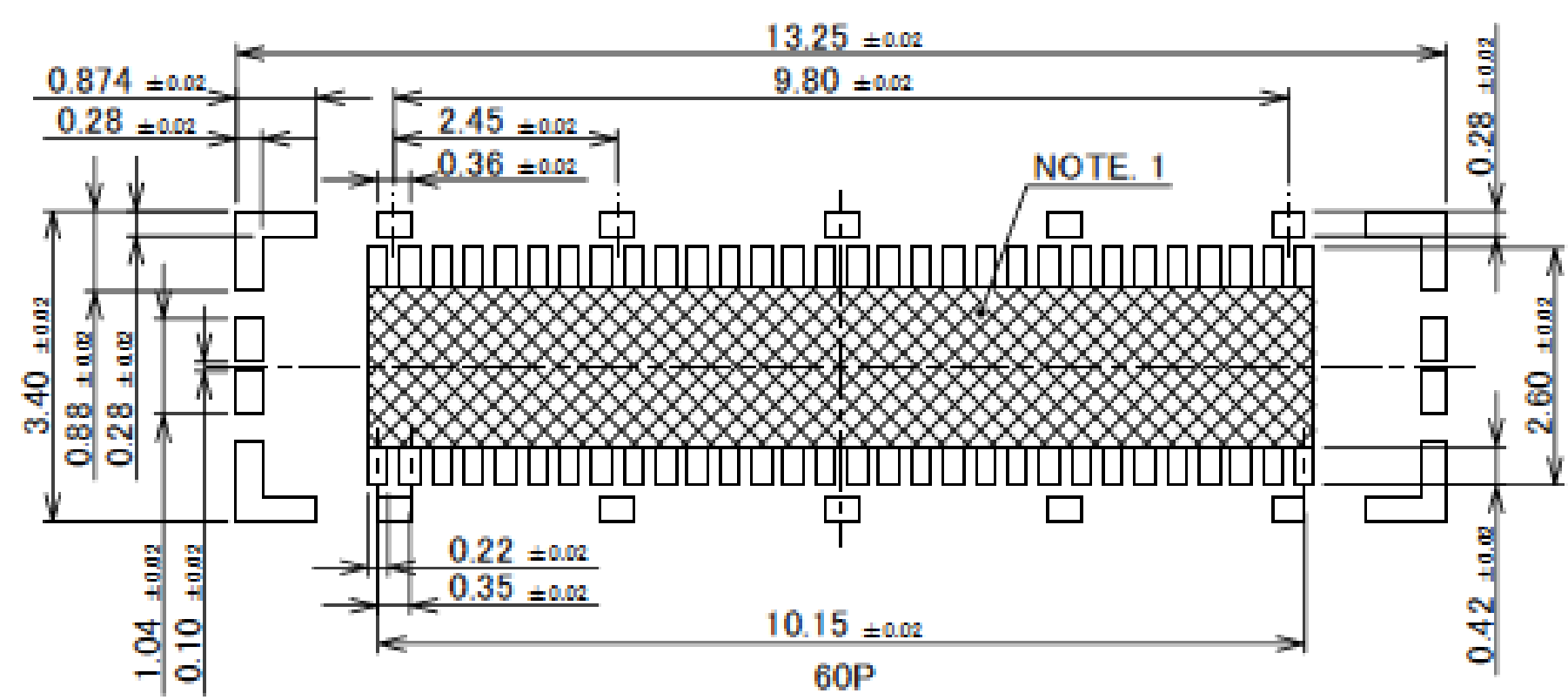


3	SHELL	CORSON ALLOY	ALL Au 0.01 μ m MIN. OVER Ni 1.27 μ m MIN.
2	CONTACT	CORSON ALLOY	CONTACT AREA: Au 0.13 μ m MIN. OVER Ni 1.27 μ m MIN. SOLDERING AREA: Au 0.02 μ m MIN. OVER Ni 1.27 μ m MIN.
1	HOUSING	LCP	UL94V-0 BLACK
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

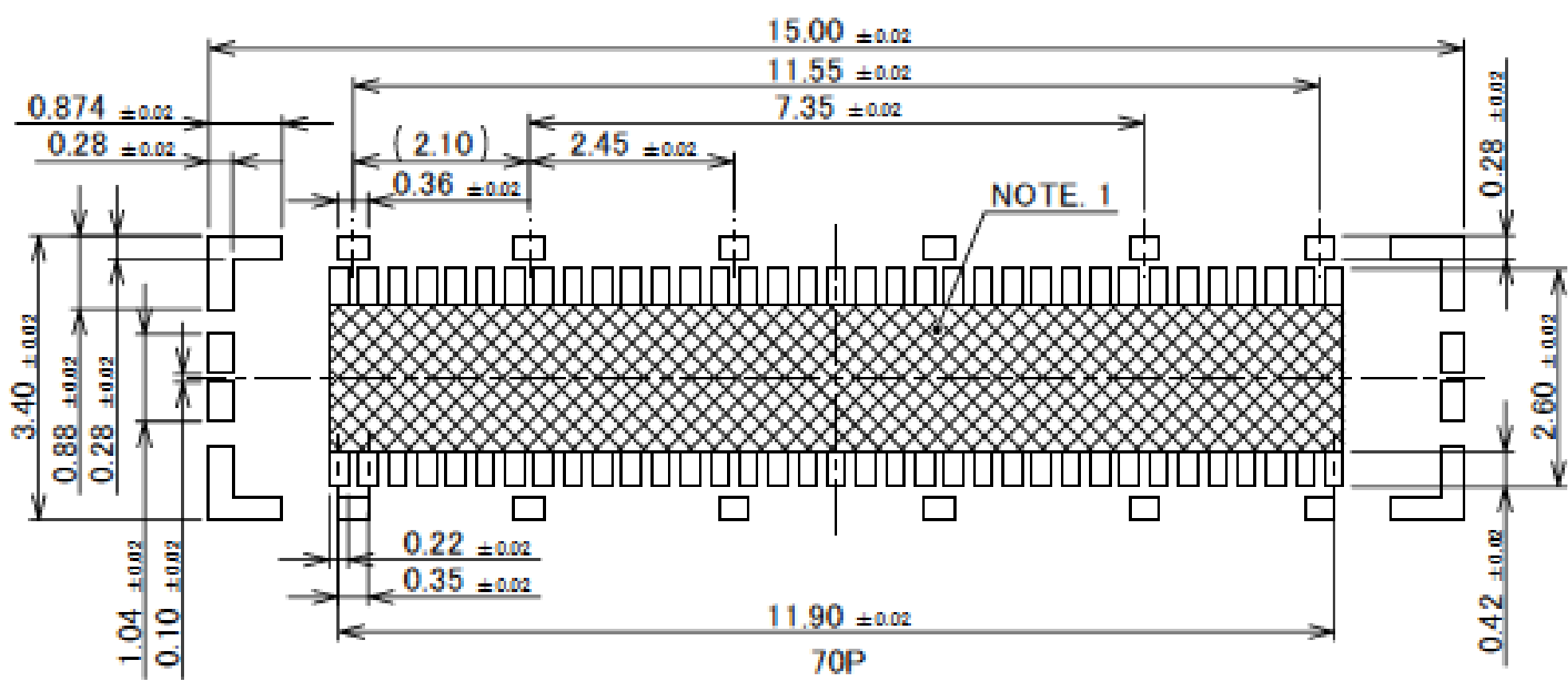
Rev.3

Receptacle Assembly

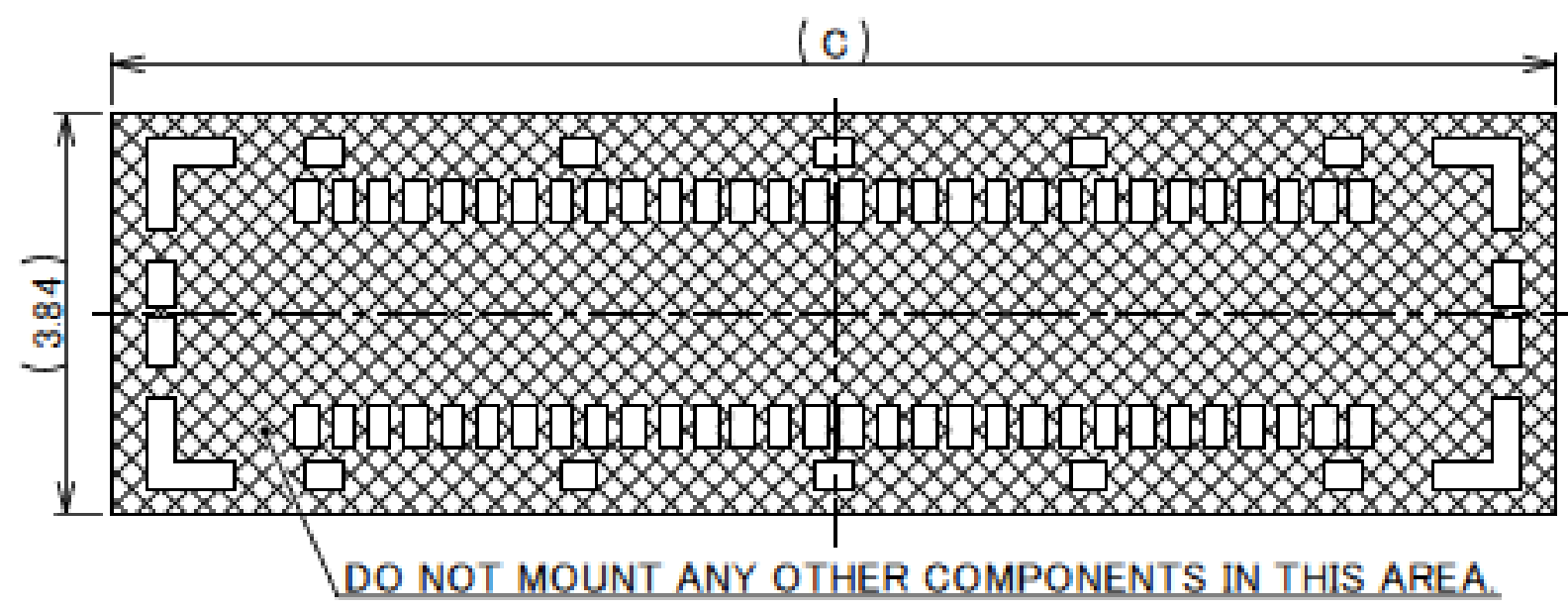
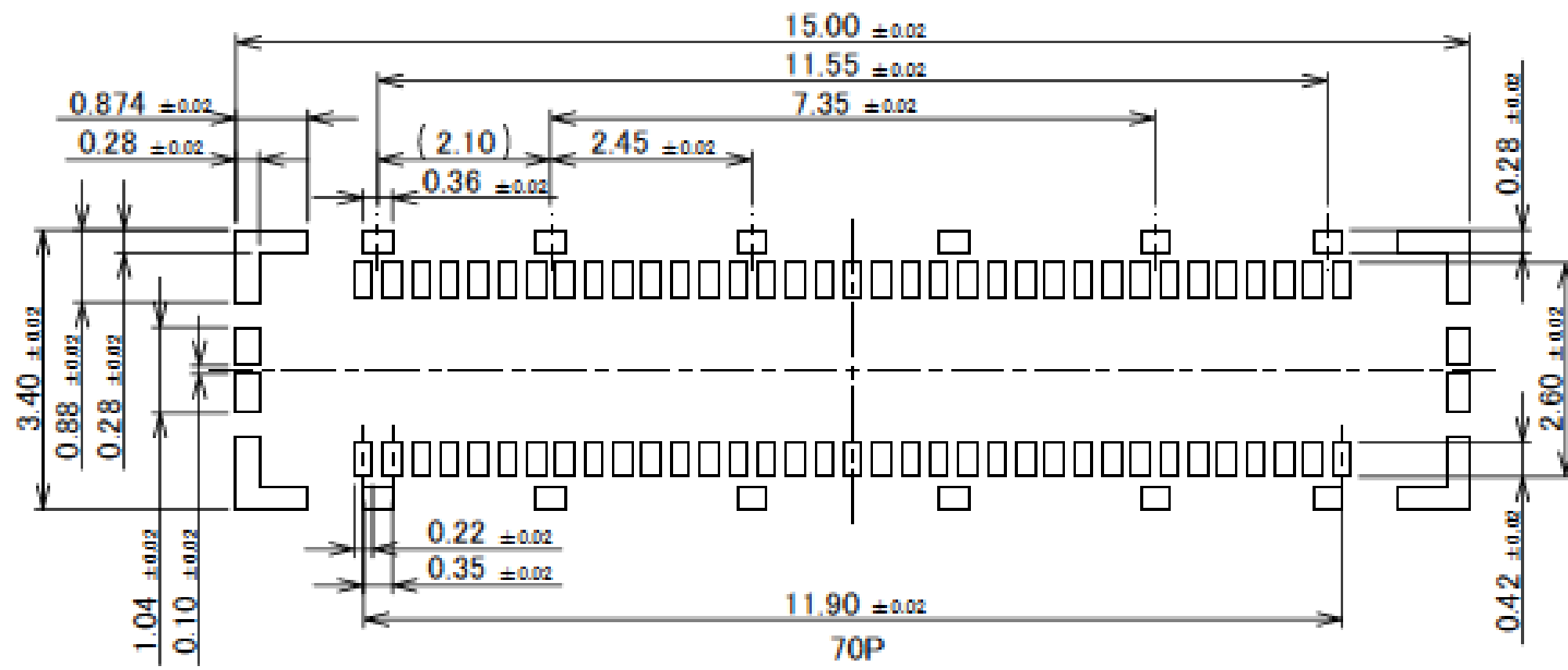
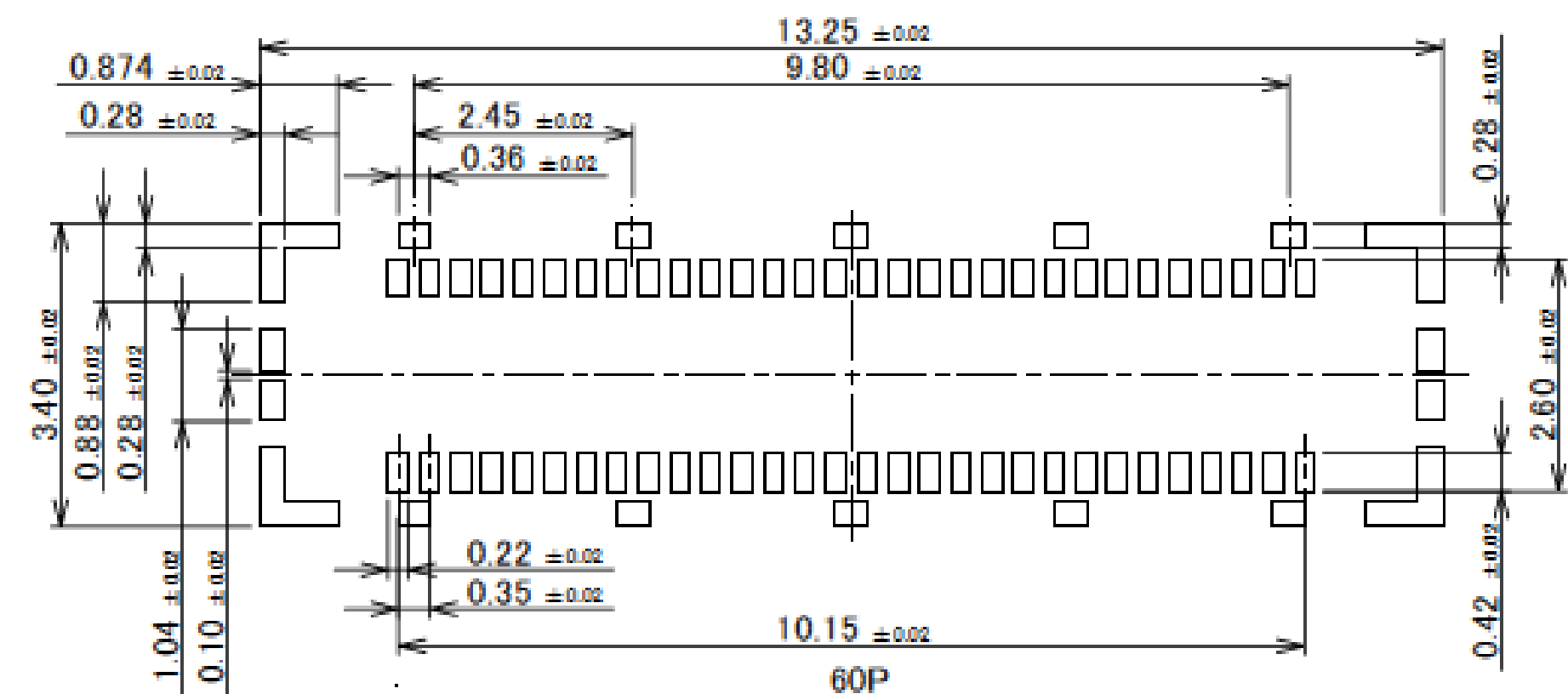
RECOMMENDED PATTERN LAYOUT



NOTES.
1. FOOT PRINT PATTERN PROHIBITION AREA
SOLDER RESIST MUST BE APPLIED TO THIS HATCHED AREA IF SURFACE TRACES ARE ROUNDED.

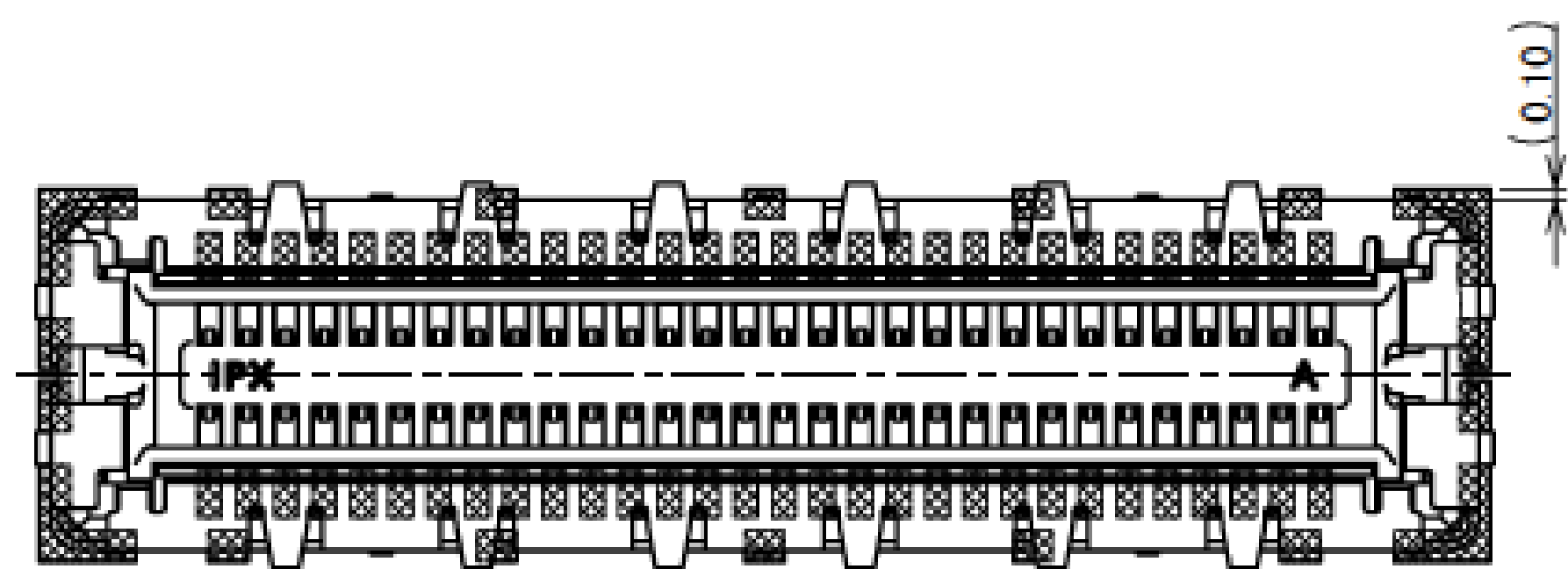


RECOMMENDED METAL MASK LAYOUT (t=0.10)

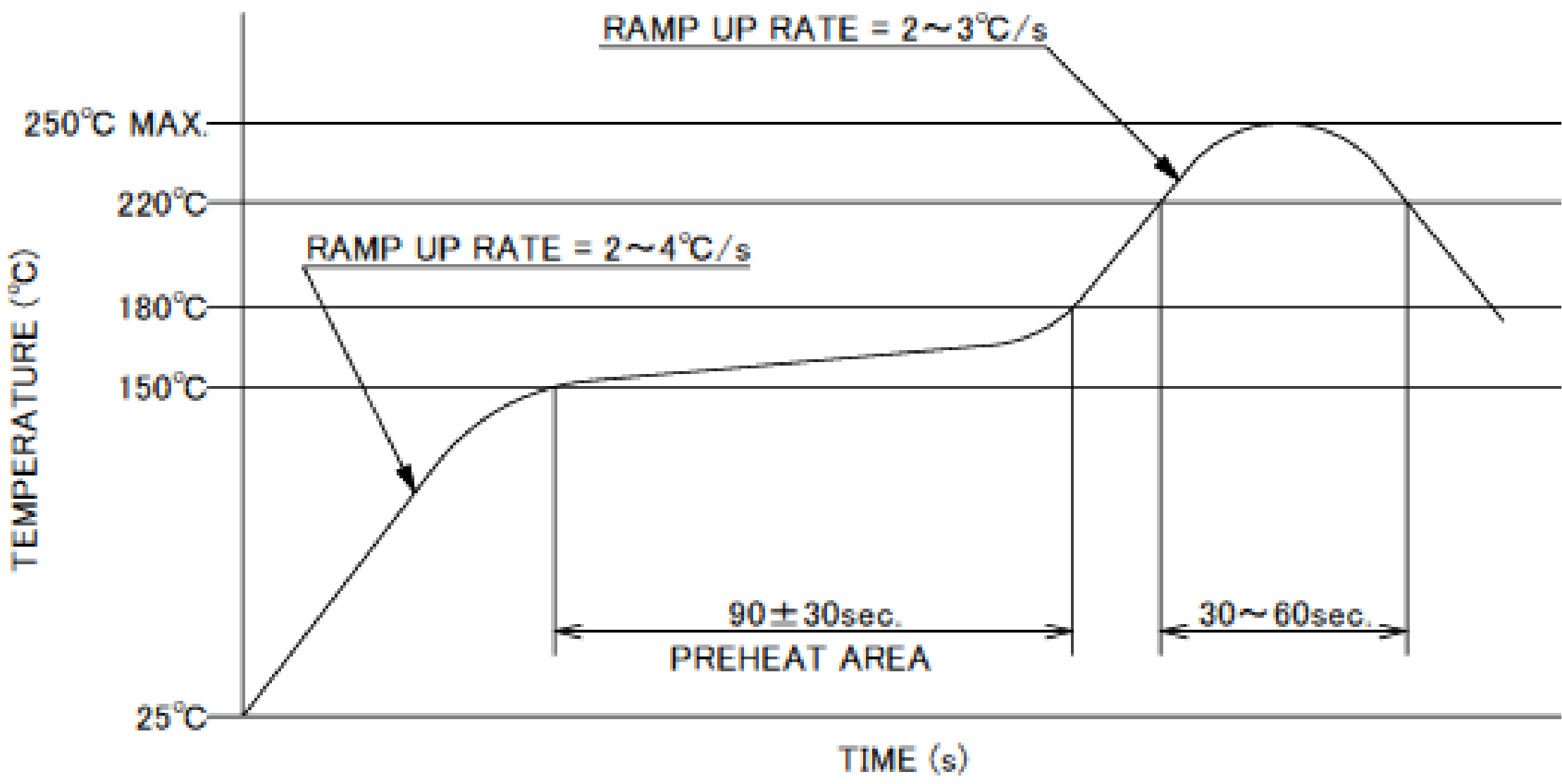


PART No.	Pos.	C
21004-060E	60	13.90
21004-070E	70	15.65

Rev.3



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN LAYOUT



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

Receptacle Assembly

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	21003-0**E
RATING VOLTAGE	60V AC (R.M.S.)/DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.5A AC/DC (PER CONTACT PIN)/ 12.0A AC/DC(TOTAL)
OPERATING TEMPERATURE	233~358K(-40℃~+85℃) (CONTANING TEMPERATURE RISE BY CURRENT)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 50mohm MAX. / AFTER TEST : ∠50mohm MAX.
CONTACT RESISTANCE (FOR GROUND)	INITIAL : 20mohm MAX. / AFTER TEST : ∠20mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	INITIAL 60P: 60N MAX. 70P: 70N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	20 CYCLES 60P: 6.0N MIN. 70P: 7.0N MIN.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-2785
TEST REPORT	TR-22021
PACKING STANDARD	PST-21087
INSTRUCTION MANUAL	HIM-21015
APPEARANCE CRITERIA No.	QLS-A***

Rev.3

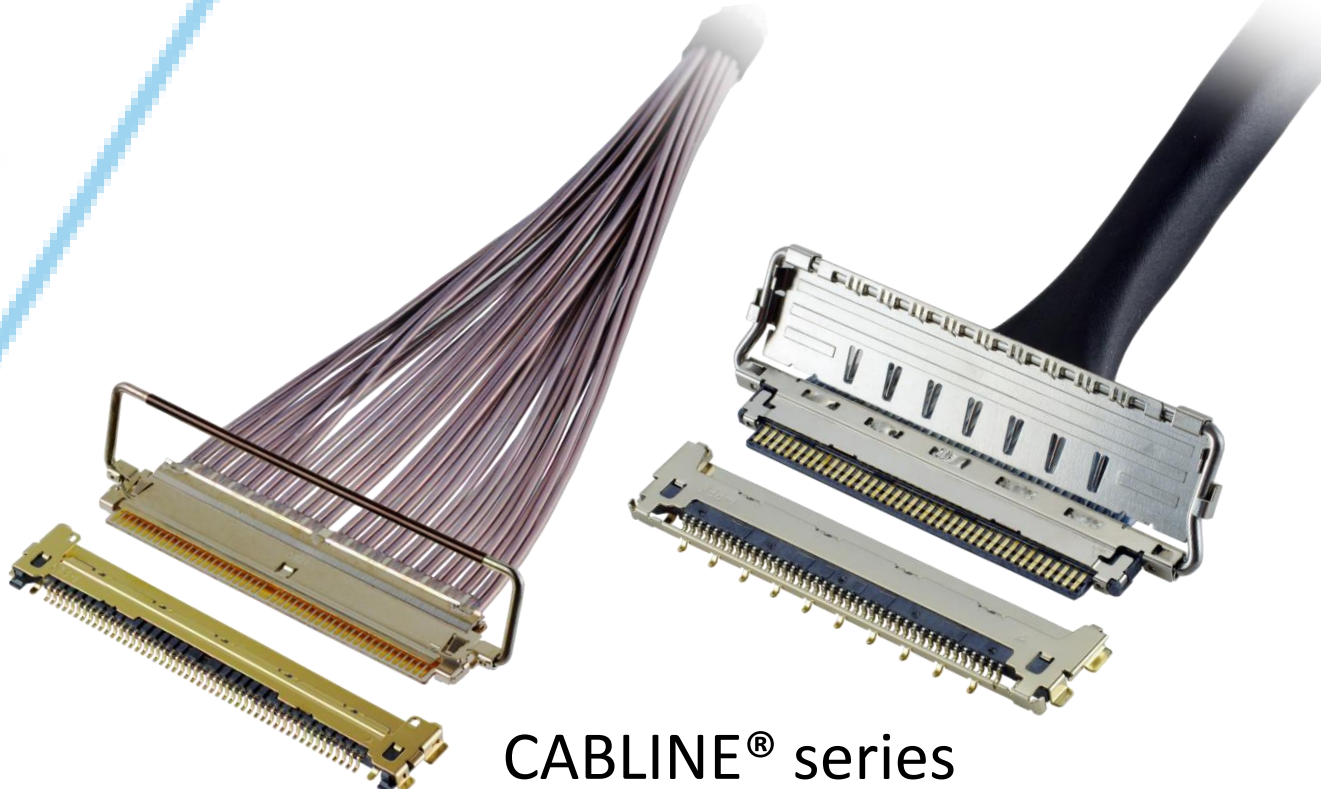
Custom Connectors Available

 RF
Connectors

MHF® series



CABLINE® series

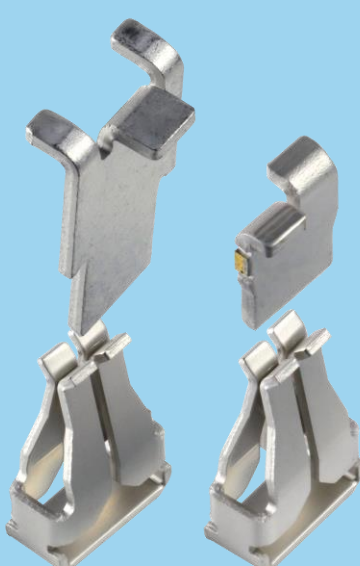


Micro-coaxial/Twinax
Connectors

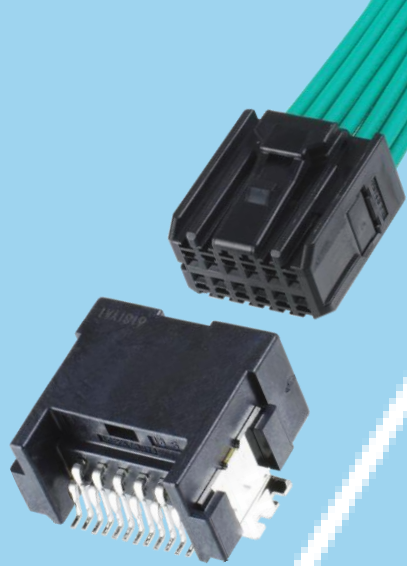


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



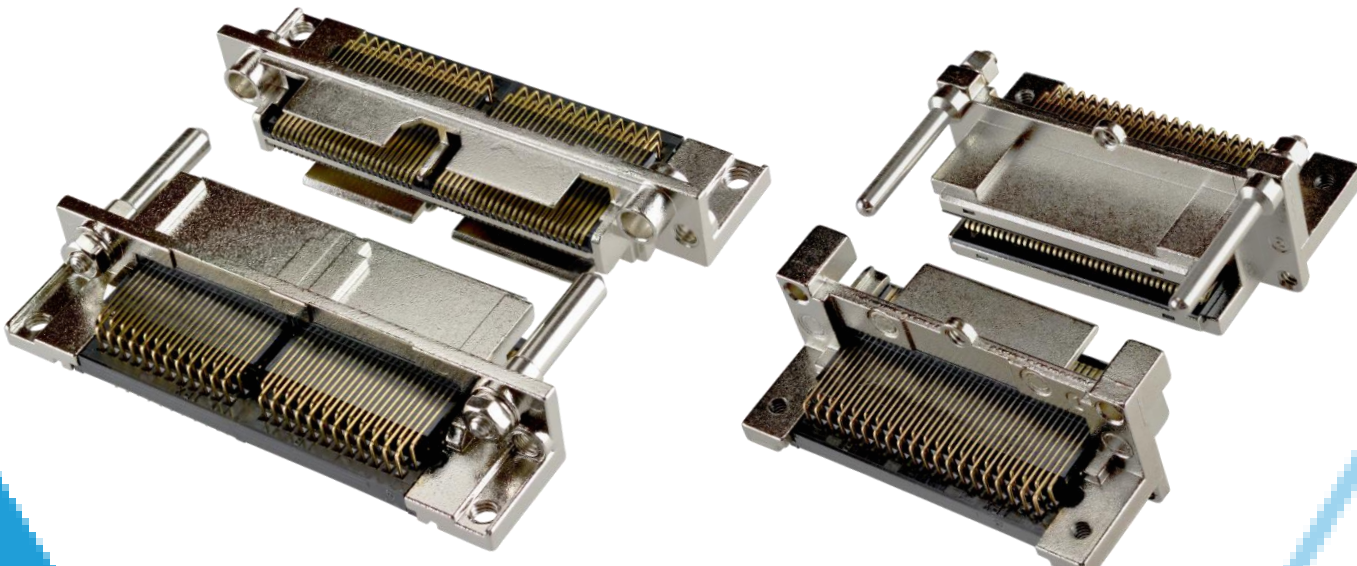
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC
Connectors



Inquiry



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